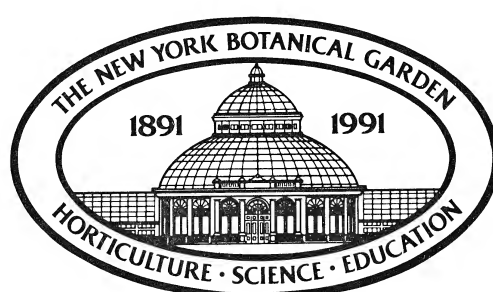


DAILY
JOURNAL
FOR
1874

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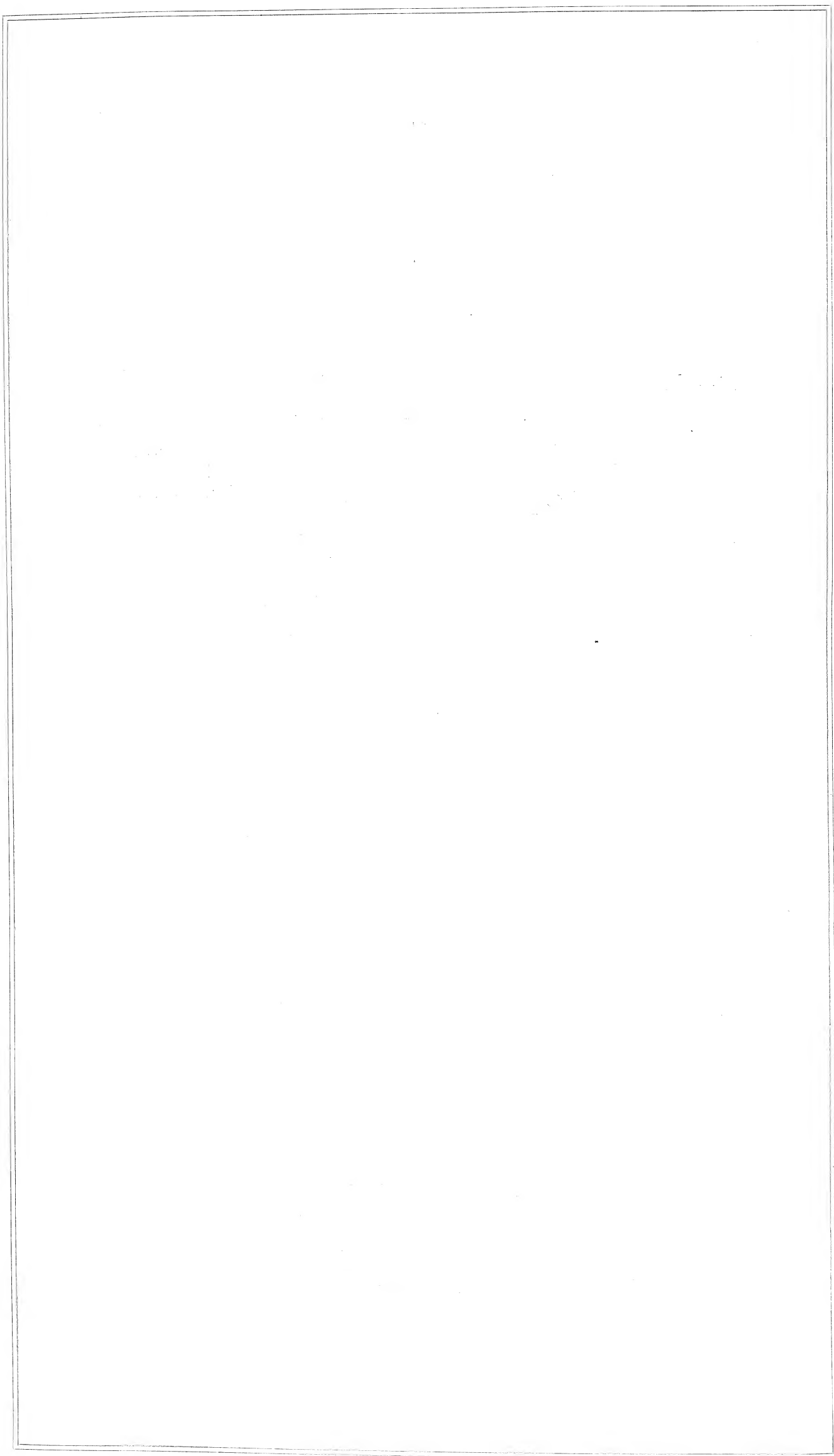
Botanical

Daily Journal

FOR

1874.

PUBLISHED Annually
FOR
THE GRADE



Counting-House Almanac.

1874.

	Sund.	Mond.	Tues.	Wedn.	Thurs.	Frid.	Satur.
JANUARY.....					1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
FEBRUARY	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
MARCH....	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31				
APRIL.....				1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30		
MAY.....						1	2
	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
	31						
JUNE....		1	2	3	4	5	6
	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30				

	Sund.	Mond.	Tues.	Wedn.	Thurs.	Frid.	Satur.
JULY.....				1	2	3	4
	5	6	7	8	9	10	11
	12	13	14	15	16	17	18
	19	20	21	22	23	24	25
	26	27	28	29	30	31	
AUGUST							1
	2	3	4	5	6	7	8
	9	10	11	12	13	14	15
	16	17	18	19	20	21	22
	23	24	25	26	27	28	29
	30	31					
SEPT'R.....			1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30			
OCTOBER.....					1	2	3
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29	30	31
NOVEMBER	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30					
DEC'R.....			1	2	3	4	5
	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		

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ALL PACKAGES of Mail Matter not charged with letter postage must be so arranged that the same can be *conveniently* examined by Postmasters; if not, letter postage will be charged.

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INTEREST TABLE.
SEVEN PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$3	\$9	\$10	\$100	\$1000
1 DAY.	—	—	—	—	—	—	—	—	—	—	2	19
"	0	0	0	0	0	0	0	0	0	0	4	39
3 "	0	0	0	0	0	0	0	0	1	1	6	58
4 "	0	0	0	0	0	0	1	1	1	1	8	78
5 "	0	0	0	0	0	1	1	1	1	1	10	97
6 "	0	0	0	0	1	1	1	1	1	1	12	17
7 "	0	0	0	1	1	1	1	1	1	1	14	36
8 "	0	0	0	1	1	1	1	1	1	2	16	56
9 "	0	0	1	1	1	1	1	1	2	2	18	75
10 "	0	0	1	1	1	1	1	2	2	2	19	94
11 "	0	0	1	1	1	1	1	2	2	2	21	14
12 "	0	0	1	1	1	1	2	2	2	2	23	33
13 "	0	1	1	1	1	2	2	2	2	3	25	53
14 "	0	1	1	1	1	2	2	2	3	3	27	72
15 "	0	1	1	1	1	2	2	2	3	3	29	92
16 "	0	1	1	1	2	2	2	2	3	3	31	11
17 "	0	1	1	1	2	2	2	2	3	3	33	31
18 "	0	1	1	1	2	2	2	2	3	3	35	50
19 "	0	1	1	1	2	2	3	3	3	4	37	69
20 "	0	1	1	2	2	2	3	3	3	4	39	89
21 "	0	1	1	2	2	2	3	3	3	4	41	08
22 "	0	1	1	2	2	2	3	3	4	4	43	28
23 "	0	1	1	2	2	2	3	3	4	4	45	47
24 "	0	1	1	2	2	2	3	4	4	5	47	67
25 "	0	1	1	2	2	2	3	4	5	5	49	86
26 "	0	1	1	2	2	3	4	4	5	5	51	06
27 "	1	1	2	2	2	3	4	4	5	5	53	25
28 "	1	1	2	2	2	3	4	4	5	5	54	44
29 "	1	1	2	2	2	3	4	5	5	6	56	64
MON.	1	1	2	2	2	3	4	5	5	6	58	83
1	1	2	4	5	6	7	8	9	11	12	1	67
2	1	2	4	5	6	7	8	9	11	12	1	70
3	2	4	5	6	7	8	9	11	12	13	1	75
4	2	5	6	7	8	9	10	11	12	13	2	33
5	2	5	6	7	8	9	10	11	12	13	2	33
6	3	6	7	8	9	10	11	12	13	14	2	33
7	3	6	7	8	9	10	11	12	13	14	2	33
8	4	7	8	9	10	11	12	13	14	15	3	50
9	4	8	9	10	11	12	13	14	15	16	3	50
10	5	9	10	11	12	13	14	15	16	17	4	67
11	5	10	11	12	13	14	15	16	17	18	4	67
12	6	11	12	13	14	15	16	17	18	19	5	83
13	6	12	13	14	15	16	17	18	19	20	5	83
14	6	12	13	14	15	16	17	18	19	20	5	83
15	6	12	13	14	15	16	17	18	19	20	5	83
16	6	12	13	14	15	16	17	18	19	20	5	83
17	6	12	13	14	15	16	17	18	19	20	5	83
18	6	12	13	14	15	16	17	18	19	20	5	83
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23	6	12	13	14	15	16	17	18	19	20	5	83
24	6	12	13	14	15	16	17	18	19	20	5	83
25	6	12	13	14	15	16	17	18	19	20	5	83
26	6	12	13	14	15	16	17	18	19	20	5	83
27	6	12	13	14	15	16	17	18	19	20	5	83
28	6	12	13	14	15	16	17	18	19	20	5	83
29	6	12	13	14	15	16	17	18	19	20	5	83
30	6	12	13	14	15	16	17	18	19	20	5	83
31	6	12	13	14	15	16	17	18	19	20	5	83
YEAR.	7	14	21	28	35	42	49	56	63	70	7	00

ECLIPSES IN THE YEAR 1874.

In the year 1874, there will be four Eclipses; two of the Sun, and two of the Moon, and a Transit of Venus over the Sun's disc.

APRIL 16th,

I. A Total Eclipse of the Sun, April 16th; Visible to the southern portions of South America and Africa.

MAY 1st,

II. A Partial Eclipse of the Moon, May 1st; visible to parts of Asia, Africa, Australia and Sandwich Islands.
Magnitude of Eclipse = 0.833 (Moon's diameter = 1.)

OCTOBER 10th,

III. An Annular Eclipse of the Sun, October 10th; visible to Europe and parts of Asia and Africa.

OCTOBER 24th,—25th,

IV. A Total Eclipse of the Moon, night of October 24th—25th; visible to North and South America and Sandwich Islands.

The Eclipse will occur in Boston time, as follows:

d	h	m	d	h	m
			25	2	49, A.M.
Moon enters Penumbra,	25	0	Moon leaves Shadow,	25	4
Moon enters Shadow,	25	0	Moon leaves Penumbra,	25	5
Total Phase begins,	25	2			
Middle of Eclipse,	25	2			
Magnitude of Eclipse = 1.053 (Moon's diameter = 1.)					

NOTE.—To find time of occurrence at any other place, correct by difference of time between the place and Boston.

V. A transit of Venus over the Sun's disc, December 8th; visible entire to Eastern Asia and Australia and in part to Africa and Sandwich Islands.

A transit of Venus furnishes the most accurate method for determining the distance of the Earth from the Sun. The last occurrence of this phenomenon happened in 1769, when exhibitions of the most extensive scale were fitted out by the larger civilized governments of the world, for the purpose of observing it. The highest interest attaches to this present occurrence, as from some independent reasons, it is suspected that the Sun's accepted distance is too large by about two millions of miles.

MORNING AND EVENING STARS.

Mercury will be Evening Star about March 2, June 28, and Oct. 24, and Morning Star about April 15, Aug. 13, and Dec. 2.
Venus will be Morning Star until Feb. 23d, then Evening Star until Dec. 8th, and Morning Star again the rest of the year.
Jupiter will be Morning Star until March 17, then Evening Star until Oct. 5th, and Morning Star the rest of the year.

FESTIVALS AND FASTS FOR 1874.

Septuagesima Sunday.....	Feb. 1.	Low Sunday.....	Apr. 12.
Shrove Sunday.....	Feb. 15.	Regation Sunday.....	May 10.
Ash Wednesday.....	Feb. 18.	Ascension Day.....	May 14.
First Sunday in Lent.....	Feb. 22.	Whit Sunday.....	May 24.
Palm Sunday.....	Mar. 29.	Trinity Sunday.....	May 31.
Good Friday.....	Apr. 3.	Advent Sunday.....	Nov. 29.
Easter Sunday.....	Apr. 5.	Christmas Day.....	Dec. 25.

CHRONOLOGICAL CYCLES FOR 1874.

Dominical Letter.....	D.	Solar Cycle.....	7.
Epiact.....	12.	Roman Indiction.....	2.
Golden Number.....	13.	Julian Period.....	6587.

Given in Washington time.

THE SEASONS.

Vernal Equinox.....	March 20th,	1h. 30m. P.M.
Autumnal Equinox.....	Sept. 23d,	0h. 15m. A.M.
Summer Solstice.....	June 21st,	10h. 0m. A.M.
Winter Solstice.....	Dec. 21st,	6h. 14m. P.M.

THE LENGTH OF DAYS.

At San Francisco the longest day has 14 3/4 hours; at Boston, 15 1/4; at Berlin and London, 16 1/2; at Stockholm and Upsal, 16 1/2; at Hamburg, Dantzic, and Settin, 17, and the shortest 7. At St. Petersburg and Tobolsk the longest day has 19 hours and the shortest 5 hours. At Borneo, in Finland, the longest day has 21 1/2 hours, and the shortest 2 1/2 hours. At Wanderbus, in Norway, the day lasts from the 21st of May to the 22d of July without interruption; and at Spitzbergen the longest day is 3 1/2 months.

MONDAY, JANUARY 5, 1874.

Dr W. Congdon East Greenwich R.I.

5-14 Feb'y 1878

- 2 *Chenopodium* ...
 58 " "
 35 *Campanula* ...
 77 *Myosotis* - *plumosa*
 181 *Campanula* *patula*
~~245~~
 244 *Asyrum* *stans*
 302 *Ammannia* *sepioides*
 324 *Crucianella* *viridifolia*
 663 *Plantago* *major*
 910 *Desmodium* *chrysanthum*
 907 " *pubescens*
 1116 *Trichostema* *truncatum*
 1133 *Helianthus* *plumosus*
 1178 *Scutellaria* *spicata*
 1263 *Verbena* *officinalis*
 1363 *Chenopodium* *maritimum*
 1701 *Asyrum* *stans*
 1890 *Veronica* *anagallis*
 1986 *Plantago* *major*
 1995 *Crucianella* *viridifolia*
 1997 " *viridifolia*
 2038 *Verbena* *officinalis*
 2058 *Scutellaria* *spicata*
 2060 " *viridifolia*
 2074 *Verbena* *officinalis*
 2097 *Scutellaria* *spicata*
 2113 *Myosotis* *plumosa*
 2138 *Verbena* *officinalis*
 2158 *Verbena* *officinalis*
 2164 " *viridifolia*
 2173 *Calystegia* *spicata*
 2225 *Verbena* *officinalis*
 2228 " *viridifolia*
 2246 " *Saponaria* *vaillantii*
 2283 *Verbena* *officinalis*
 2294 *Verbena* *officinalis*
 2307 *Verbena* *officinalis*
 2345 *Chenopodium* *plancum*
 2350 " *ambrosioides*
 2375 *Amaranthus* *viridis*
 2461 *Crucianella* *viridifolia*
 2485 *Euphorbia* *hirsuta*
 2538 *Panctaria* *Pennsylvanica*
 2590 *Quercus* *palustris*
 2593 " *prinus*
 2646 *Populus* *heterophylla*
 2693 *Senecio* *perfoliatus*
 2694 " *paniculatus*

TUESDAY

- 2713 *Plantago* *major*
 2715 " *grammeus*
 2718 " *lucens*
 2722 " *Menifolia*
 2724 " *pectinatus*
 2728 " *pusillus*
 2738 *Alisma* *Plantago* *v. Am.*
 2757 *Habenaria* *ciliaris*
 2786 *Spiranthes* *gram.* *v. Walt.*
 2809 *Microstylis* *monophyllus*
 2816 *Corallorhiza* *odontorhiza*
 2819 *Ophrys* *lymenale*
 2862 *Dracopis* *villana*
 2888 *Smilax* *lucida*
 2909 *Urtica* *grandiflora*
 3781 *Ophrys* *vulgaris* 64

Dr Do Sent - Jan'y 27/79

24. *Asplenium* *platyneuron* (2)
Castilleja *interea* Gr.
Eriogonum *umbellatum* Don
Polypodium *caeruleum*
Astropalis *adungula*
Liatris *punctata*
Grindelia *agaveformis*
Brickellia *oblongifolia*
Platanus *affinis*
Populus *trichocarpa*
Orthocarpus *luteus*
Eriogonum *asperum* *v. cult.* (2)
Crucianella *viridifolia*
Phlox *oblongifolia*
Penstemon *acuminatus*
Zinnia *grandiflora*
Panacium *serotinum*
Artemisia *arctica*
Trifolium *pratense*
Mertensia *alpina* (2)
Arenaria *montana*
Allium *reticulatum*
Cynopterus *alpinus*
Quercus *Boottii*
Sonchum *oleraceum* (2)
Zinnia *officinalis* (2)
Lepidium *draba* (4)
Camelina *sativa* (12)
Eryngium *cheiranthoides* (5)
Atriplex *rosea* (2)
Matricaria *chamaemelum* (2)
Flaveria *centaurea* (1)

WEDNESDAY

THURSDAY, JANUARY 8, 1874.

+ = new one

- Cr
Sent Feb 1878
67 *Hydrastis canadensis*
101 *Nymphaea tuberosa*
129 *Nasturtium sylvestre* (part)
Viola renifolia
298 *Lycium vespertina*
Dahlea pinnatifida
Osmorhiza ilicifolia
1224 *Aster amethystinus*
1830 *Prunella vulgaris*
Lycopus Europaeus
1989 " *Virginicus*
2096 *Lycopsis arvensis*
2235 *Erythraea centaurium*
2288 *Asclepias purpurascens*
Centauria acuta
2292 *Polygonum Hartwegii*
Cheilanthes
2550 *Urtica dioica*
2759 *Habenaria dilatata*
2839 *Lachnanthes tinctoria*
2885 *Trillium nivale*
3747 *Aspidium Goldianum*
3787 *Lycopodium cuneatum*

Rec^d Dec. 24/78

- 332 *Spiraea Salicifolia* (3)
637 *Desmodium illinoense* Nutt (2)
887 *Myriophyllum angustifolium*
v. capillare (2)
886 " *v. limosum* (2)
Scaberrimum Mx (4)
1016 *Andropogon furcatus* (flowers)
951 *Lycium hyssopifolium* L. (2) part
993 *Crucifera lineata* Nutt (4)
1192 *Eupatorium aromaticum* L. (2)
1179 *Diarrhiza fraxinifolia* (2)
1224 *Aster amethystinus* Nutt (1)
1337 *Solidago puberula* (4)
Senecio viscosus L. (2)
1593 *Onopordum acanthium* L. v
1613 *Nabalus fraxinifolia* D.C.
1707 *Chelone acuminata* Mx (3)
1724 *Rhodora canadensis* L. (3)
1693 *Leucothoe racemosa* Gray (4)
Lysimachia vulg.
1873 *Gratiola viridis* (3)
2257 *Polypodium procumbens* L.
2290 *Asclepias tuberosa* L. (2)
2422 *Rumex salicifolius*
2393 *Polygonum Carey* (2)
2643 *Salix viminalis* L. (2)
2552 *Urtica arvensis* L.
2639 *Salix purpurea* (2)
2774 *Juncus tenuis* (2)
2962 " *articulatus* L.
3177 *Carex aquatilis* Willd.
3289 " *olneyi* part
3242 " *foena*
3449 *Leptochloa mucronata*
3546 *Trisetum palustre* (5)
3571 *Paspalum floridanum* Mx

FRIDAY

- ✓ = rec^d Dec 24/78 to be sent in 1878 L. rec^d Jan 1/79
1 *Clematis verticillata* (2)
118 *Glaucium luteum* ✓ +
153 *Arabis patens* (2) Mx (2)
177 *Draba incana* L.
330 *Sagina nodosa* (rec^d from Mx)
361 *Malva alcea*
390 *Hibiscus incanus*
534 *Sanicula tinctoria*
538 *Trillium medium* (2) +
756 *Galen virginianum* (part sent)
769 *Potentilla frigida*
898 *Epilobium hirsutum* (part sent)
992 *Hydrocotyle intermedia*
1033 *Siim Carsonii* D. (3) no fruit +
1076 *Lonicera caerulea* ✓ (2)
1314 *Solidago rigida* Ait. (2) (part) +
1324 " *viridifolia* (2)
1488 *Cypripedium pubescens* (part sent)
1693 *Staphylea trifolia* L.
1822 *Urtica dioica* - *perfoliata*
2320 *Fraxinus americana* (rec^d from Mx)
2418 *Rumex crispus* rec^d from Mx
2420 " *oblongifolius* ✓ (2) +
2760 " *acetosella* (2) +
2769 " *orbiculatus* var. *ovatus*
2775 " *viridis* var. *bract.* L
3652 *Equisetum limosum* (rec^d from Mx) L
3658 " *variegatum* " " L

SATURDAY 10

94

MONDAY, JANUARY 12, 1874.

Loasae repens L. (41)
Malacotheca fruticosa Nutt. (11)
Hyssopus officinalis L. (21)
Stellaria media Roth. (41)
Polanthes Clavaria
Ranunculus abortivus L. +
Echium vulgare L. (41)
Vaccinium myrtillus, (41)
Yucca
Aschelia plantaginifolia L.
Linum catharticum L. (11)
Senecio palustris L. (11) +
Saxifraga hypnoides L. (21)
Potentilla Pennsylvanica L. (21)
Erodium cicutarium L. (11)
Oxycoccus latifolius L. (11)
 ? " *campestre*, L. (21) (11)
Urtica dioica L. (31)
Ranunculus abortivus L. (11)

WEDNESDAY 14

Cr

Lyman ~~Hayward~~

Pine Plains Delictus Co

- ✓ *Carex flava* L.
- ✓ *Potamogeton obtusifolius* Michx.
- ✓ *Ostrya Simplex*
- ✓ *Carex Purshii*, Thunb.
- ✓ " *viridula* Michx.
- ✓ " *Eburnea* Nutt.
- ✓ " *Phanocarpa* Muhl.
- ✓ *Schizaea pinnata* Pursh
- ✓ *Aspidium fopraus*, L.
- ✓ " *viride*
- ✓ " *aculeatum* V. Braun: Nutt.
- ✓ *Struthiopteris Pennsylvanica*
- + *Aspidium Crist. var. Clintonianum* new

- ✓ *Castilleja pallida*
- ✓ *Aster* ^{*coarctata*} *graminifolius*
- ✓ *Hedysarum boreale*
- ✓ *Ammanium latifolium* L.
- ✓ *Saxifraga aizoides* L.
- ✓ *Lithospermum canescens*
- ✓ *Ambrosia psilostachya* DC.
- ✓ *Viola delphinifolia* Nutt.
- ✓ *Hedeoma pinnatifida*
- + *Valeriana pinnatifida* new
- ✓ *Siphium lanceolatum*

- ✓ *Woodia glauca*
- ✓ *Sedum telephium* Michx.

FRIDAY 16

- + *Mentha rotundifolia* L. new
- ✓ *Cycloloma platyphyllum* DC. new
- + *Cranthia ovalis*
- ✓ *Obolaria Virginiana*
- + *Amblygma Torreyi* new
- + *Pachystima Canbyi* new
- ✓ *Rhodora Canadensis*
- ✓ *Senecio tinctoria*
- ✓ *Nardus palmata*
- + *Linaria elatior* new
- ✓ *Amaranthus perfoliatus*
- + *Geranium odonata* new
- ✓ *Silene inflata*
- ✓ *Cerastium nutans*
- ✓ *Clematis verticillaris* DC.
- ✓ *Hypericum pyramidatum*
- ✓ *Impatiens pallida*
- + *Hypericum ellipticum* new
- ✓ *Rhynchospora alba*
- ✓ *Solidago ulmifolia*
- ✓ " *muhlenbergii* (3)
- ✓ 2" *stricta*

SATURDAY 17

- ✓ *Thysanotus trifol. v. apt.*
- ✓ *Baptisia tinctoria*
- ✓ *Geranium vivale*
- ✓ *Potentilla fruticosa* L.
- ✓ " *apulta* Nutt.
- ✓ *Vicia cracca*
- ✓ *Prunus pennsylv.*
- + *Urtica urens* new
- ✓ *Campanula rapunculoides*
- ✓ *Asotum luteum*
- + *Valeriana sylvestris* new
- ✓ *Lobelia Kalina*
- ✓ *Dirca palustris*
- ✓ *Spiranthes Romanzoffiana*
- ✓ *Myrica Zalc*
- ✓ *Quercus prinus*
- ✓ *Comandra calyculata*
- ✓ *Vaccinium Penn.*
- ✓ *Andromeda polifolia*
- ✓ *Hydrophyllum appendiculatum*
- ✓ *Conoclinium coelestinum*
- ✓ *Draba arabisans*
- ✓ *Erigeron divaricatus*
- ✓ *Ammanium nuttallii*

Utah 47
Admission 44
40

Dr Wm. C. Cady, Minnesota

131

- 3715 *Utricularia cuneata* Nutt (2)
2929 *Linum catharticum* L. (2)
2948 *Myrica botryoides* Michx.
2833 *Trillium erectum* L.
2814 *Cnidium officinale* R.Br.
2811 *Trillium grandifolium* Salisb.
2823 *Cypripedium pubescens* Willd.
2825 " *aculeatum* Willd. Ait.
2901 *Peripogoniasporus* Nutt.
2762 *Habenaria hypoleuca* R.Br.
2776 " *viridis* Sprng.
2777 *Sordaria* ref. C. R.Br.
2768 *Habenaria obtusata* Rich.
1896 *Veronica peruviana* L.
1928 *Castilleja pallida* Kunth.
1927 " *coccinea* Sprng. (2)
1896 *Veronica peruviana* L. (2)
1526 *Galinsoga parviflora* Cav. (2)
1147 *Fedia Fagopyrum* Th. G.
1141 *Valeriana Sylvestris* Rich.
954 *Lythrum alatum* Pursh.
852 *Sardocarya Penn.* L.
846 " *argentea* L.
521 *Polygala polygama* Walt. (2)
325 *Cerastium antherae* L. (4)
324 " *solanif.* Torr. (3)
Dracera *longifolia* L. (1st true one)
231 *Asclepias speciosa* Nutt. (2)
" *matricaria* Chamomilla. (2)
" *procumbens* L. (2)
298 *Lychnis Vespertina* L. (2)
195 *Leptocarpus Draba* L. (3)
167 *Erycinum chamomilla* L. (2)
" *asp. v. - - - "puzzle"*
152 *Urtica lyrata* L.
" *officinalis* D.C. (2)
1528 *Urtica arvensis* L.
2 *Artemisia ochroleuca* Ait. (3)
56 *Polium laxum* L. (2)
Nemophila Canadensis D.C. (2)
Alnus viridis D.C.
Vaccinium Canadense Kalm.
Lycopodium americanum L.
" *Selago* L.
Rhododendron Lappaceum Wahl.
Brasenia peltata Pursh.
Thuja occidentalis L.

TUESDAY 20

- Dracopis Lappacea* L.
Lobelia Dortmanni L.
Aspidium cristatum L.
Taxus Canadensis L. (2)
Cornus Canadensis L. (2)
Calla palustris L.
Abutilon nanum D.C. (4)
Phlox paniculata L. (2)
Clintonia borealis Raf.
Artemisia Canadensis L. (2)
Rhinanthus Cristatus Raf.
Sedum Telephium L.
Dalibarda repens L. (2)
Coptis trifoliata Salisb.
Opuntia acutella L.
Sedum latifolium Ait.
Polygonum amphibium L. (2)
Andromeda polifolia L. (2)
Lycopodium lucidulum Michx.
Scheuchzeria palustris L.
Lycopodium clavatum L.
Chrysopsis hispida Torr.
Potentilla fruticosa Ait.
Pyrula secunda L.
Empetrum nigrum L.
Aster macrophyllum L.
Canadensis calyculata D.C.
Solidago thyris E. Meyer.
Lycopodium dendroideum Michx.
WEDNESDAY 21
Prunus Pennsylv. L.
Solidago squarrosa Nutt.
" *latifolia* L.
" *stricta* Ait. (2)
Calycanthus floridus L. (2) Penn.
Matricaria discolor D.C.
Urtica *plena*, of Palmer 1872

- no.
310 *Collomia linearis* Nutt.
303 *Erycinum Douglasii* Gray (2)
298 *Campanula latifolia* Torr. (2)
324 *Fedia leptocarpus* Gray
323 " *filiformis* Gray
319 " *pubescens* v. *repens* Nutt.
317 " *concolor* Hook.
355 *Erycinum Canadense* D.C.
342 *Calceola hispida* Gray
337 *Hypoxis aurea* L. (2)
331 *Phacelia purshiana* Gray
373 *Periclymenum* Gray
380 " *viridifolium* v. *oblongum* Gray
357 " *calyculata* D.C.
383 *Prunella* *sp.*
395 *Prunella* *sp.*
313 *Thymus* *sp.*
426 " *sp.*
427 " *sp.*
428 " *sp.*
429 " *sp.*
430 " *sp.*

THURSDAY, JANUARY 22, 1874.

Cr duplicata (not desired)

My desiderata

Maunten

- 2907 *Tofieldia pubescens* (2)
 2908 *Coma bulbata* (1)
 2909 *Nuphar* (1)
 2855 *Smilax latifolia* (1)
 2875 *Cypripedium pubescens* (1)
 2876 *Platanus metanensis* (2)
 2746 *Sapientia gram.* (1)
 2757 *Habenaria ciliata* (1)
 2758 *" cristata* (2)
 2759 *Aruncus biolor* (1)
 2760 *Asperula mauntena* (1)
 2054 *Stachys hypophylla* (1) fine
 2000 *Benanthes nutt.* (2)
 1914 *Serapias nutt.* (2)
 2231 *Sabbatia chlorid.* (2)
 2232 *Barbarea lemna* (2)
 1810 *Samolus Verl.* (2)
 2225 *Sabbatia arpal.* (1) fine
 2228 *" gracilis* (1)
 2229 *" laevigata* (1)
 2233 *Eleocharis pauciflora* (1)
 1555 *Galium semina* (1)
 1557 *Gnaphalium purpureum* (1)
 1660 *Gaylussacia dumosa* (1)
 988 *Hedysarum repandum* (1)
 991 *" umbellatum* (1)
 1165 *Sclerodermis verticillata* (1)
 983 *Lythrum luciae* (2)
 890 *Prunella poctinchi* (2)
 831 *Ilex Virginia* (1)
 432 *Loxanthus Carol.* (1)
 425 *Flourensia purpurea* (2)
 463 *Berberis volubilis* (1)
 248 *Hyssopus adpress.* (1)
 249 *" arpalum* (2)
 524 *Polysphaea longica* (1)
 " *" v. lat.* (1)
 " *" fastigiat.* (1)
 511 *" tenuis* (1)
 224 *Vicia litorea v. w.* (1)
 214 *" cucul. v. septim.* (1)
 1 *Eleocharis verticillata* (1)
 35 *Ranunculus alenensis* (1)
 1748 *Ilex decidua* (1)
 264 *Hyssopus nutt. v. gym.* (1)
 532 *Crotona noli* (1)
 585 *Indigofera caroliniana* (1)
 1774 *Cyrtella racemosa* (1)
 938 *Rhynchos glabella* (1)
 128 *Euphorbia vernum* (1)
 1392 *Barbarea caroliniana* (1)
 1470 *Carex angustifolia* (1)
 1868 *Hypericum virginicum* (2)
 2842 *Aster aurea wall.* (2)
 3013 *Lythrum totia* (2)
 2982 *Aruncus setaceus* (1)
 3158 *Rhynchosium cuneatum v. Q.* (1)
 3096 *Eleocharis tuberosa* (1)
 3088 *Eleocharis spargan.* (1)
 3011 *Eleocharis cuneata* (1)
 3062 *Cyperus setaceus* (1)

- 2092 *Polysphaea mauntena* (1)
 3365 *Zinnia mollis* (1)
 30 *Trach. palm.* (1)
 82 *"* (1)
 88 *Coccoloba. Cor.* (1)
 78 *Map. Umbell.* (1)
 192 *Barb. Can.* (1)
 114 *Papaver. dub.* (2)
 137-8 *Leavenworthii Mx.* (1)
 155 *Arabis patens* (2)
 223 *Vicia* (1)
 185 *Alyssum Leaven.* (2)
 175 *Draba Kansas.* (2)
 304 *Arabis* (1)
 336 *Staphylea trifolia* (1)
 627 *Desmodium parvif.* (1)
 507 *Artemisia latifolia* (1)
 510 *Curtini Polyspha.* (2)
 545 *Mullein flavid.* (2)
 414 *Sium Sulcatum* (2)
 373 *Sida napaea* (2)
 367 *Malvastrum ang.* (2)
 403 *Cochlospermum dill.* (2)
 365 *Napaea dioica* (1)
 350 *Sesuv. port.* (1)
 382 *Abutilon crispum* (1)
 763 *Scium radiale* (2)
 804 *Rosa micrantha* (1)
 FRIDAY 23
 813 *Crotona Cord.* (3)
 838 *Philadelphus humif.* (1)
 833 *Hydrangea Radet.* (1)
 844 *Parnassia alarif.* (1)
 877 *Sedum Rhod.* (3)
 870 *Tillaea simplex* (3)
 869 *Dracopis purid.* (3)
 934 *Ludwigia arcuata* (2)
 916 *Junonia decurrens* (1)
 880 *Fothergilla alnif.* (1)

Duplicata not desired

- 3542 *Danthonia Scirpus N.* (1)
 3610 *Ranunculus viscidiflorus* (2)
 3472 *Stachys acutifl.* (2)
 3549 *Aster prorep.* (2)
 701 *Carex varia* (2)
 3170 *" stricta* (2)
 3255 *Campylopus androm. Sch.* (1)
 3239 *" floccosus Sch.* (1)
 3227 *" divaricatus* (2)
 3224 *Carex dilecta Olm.* (2)
 3247 *" tortu. Sch.* (1)
 3224 *" cuneata Sch.* (2)
 3185 *Scleranthus pauciflorus* (1)
 3183 *Scleranthus n. Sch.* (2)
 9147 *Rhynchosium cuneatum* (1)
 3156 *Rhynchosium prorep.* (2)
 3111 *Scirpus pauciflorus* (1)
 3083 *Eleocharis nutt.* (2)
 3154 *Rhynchosium paucif.* (2)
 3165 *Rhynchosium oligo.* (1)
 2980 *Junonia roemeriana* (2)
 3009 *Lythrum Carolina w.* (2)

972 *Paniflor. lat.* (2)

- 1088 *Verbena alba* (2)
 1140 *Stachys angustifolia* (1)
 1106 *Galium latif.* (1)
 1131 *Perisperm. pub.* (1)
 1146 *Zedera brito.* (2)
 1197 *Eupatorium. ric.* (2)
 1346 *Solidago spith.* (1)
 1204 *Eupatorium. pub.* (2)
 1260 *Aster paludum* (2)
 1298 *Brachyglottis Cord.* (1)
 1317 *Solidago. flom.* (1)
 1237 *Bellis integrif.* (1)
 1397 *Trach. alba* (2)
 1384 *Scleranthus. Comp.* (1)
 1452 *Helianthus. mil.* (1)
 1434 *Rhynchos. Paten.* (1)
 1503 *Rhynchos. v. Sch.* (2)
 1514 *H. v. Sch.* (2)
 1583 *Veronica. v. Sch.* (1)
 696 *Baptisia alla* (1)

- 2072 *Leavenworthii Mx.* (1)
 1124 *Gerard. ped. v. Sch.* (1)
 2226 *Sabbatia brach.* (1)
 2788 *Spir. sanct.* (1)
 1993 *Pyc. ang. v. Sch.* (1)
 2472 *Euph. Cent.* (1)

Jan 29/79 Sent-Cauly
 Solanum
 Senecio soloandria
 " fil. v. Sch.
 Papaver alpinum (1)
 Cynopterus " (2)
 Galia spargan. (2)
 Neofla. v. Sch. (1)
 Cleome fl. v. Sch. (1)
 Polanisia v. Sch. (1)
 Veronica aspera
 Conium maculatum
 Vicia v. Sch. (1)
 Cleome fl. v. Sch. (1)
 Epipha

- 1570 *Veronica* (1)
 1623 *Pyrochloa* (1)
 1574 *Amma nudica* (1)
 1217 *Adenocaulon* (1)
 1500 *Matricaria* (1)
 1524 *Manchella lance* (1)

- 260 *Asterella bicoloris* (1)
 241 *Samolus (Hel.) multif.* (1)
 225 *Stachys multiflora* (1)
 204 *Junonia* (1)
 223 *Euphorbia divaricata* (1)
 208 *Aster totia* (1)
 799 *Sapientia v. Sch.* (1)
 190 *Hymenocallis v. Sch.* (1)
 188 *Hyssopus v. Sch.* (1)
 178 *Hyssopus v. Sch.* (1)
 175 *Hyssopus v. Sch.* (1)
 157 *Hyssopus v. Sch.* (1)
 171 *Hyssopus v. Sch.* (1)
 151 *Hyssopus v. Sch.* (1)
 153 *Hyssopus v. Sch.* (1)
 149 *Hyssopus v. Sch.* (1)
 167 *Hyssopus v. Sch.* (1)
 99 *Hyssopus v. Sch.* (1)

MONDAY, JANUARY 26, 1874.

Recd Aug 28/79 of Matthias H. Banta Box 103 June 1874. Recd 28 species.

1874
Aug 30 sent him the following
Hottelina niflata Ell (11)
Calceolaria pulchella (H) B. & H.
Cypripedium acaule L. (12)
Polypodium sp. mult (4)
Utricularia fr. (1) 2
" perfol. (1) 2
Erythronium americanum (H) B. & H.
Lilium Phil. (1) 2
Podium Linn. (1) 2
Veronica repens (1) 2
Verbena aff. L. (1) 2
Crataegus Virgin. L. (1) 2
Melampyrum Linn. (1) 2
Sororia pulchella L. (1) 2
" arvense L. (1) 2
Castilleja coccinea (H) B. & H.
Eragrostis pedic. L. (1) 2
Thalictrum Linn. (1) 2
TUESDAY 27
Galium acitoides L. (1) 2
Salicaria repens L. (1) 2
Andromeda polifolia L. (1) 2
Nyctea Linn. (1) 2
Lycopodium lucid. (H) B. & H.
" clavatum L. (1) 2
" dendroideum (H) B. & H.
Cyanus Virgin. (H) B. & H.
Xanthoxylum L. (1) 2
Salicaria L. (1) 2
Scutellaria palmeri L. (1) 2
Aster nemoralis L. (1) 2
" cordifolius L. (1) 2
Nabalus allivatus (H) B. & H.
Capanda calyc. (H) B. & H.
Eupatorium perfol. L. (1) 2
Utricularia scabra L. (1) 2
Pyrola secumia L. (1) 2
Cypripedium virginicum (H) B. & H.
Phlox campylactis (H) B. & H.
= 38 sp.

WEDNESDAY 28

THURSDAY, JANUARY 29, 1874.

C. Howard Shumaker, Leitchville Va Nov. 5/78

- Paronychia dich. (fr. Weldon)
 + Sedium Nevii
 Lechea fr. Leggett
 Rudbeckia fulgida
 + Ligustrum octaifolium
 + Heuchera villosa
 + Delphinium exaltatum
 + Andromeda floribunda
 arborescens
 + Boykinia aconitifolia
 + Magnolia fraseri
 Vaccinium erythrorhizon
 + Parnassia asarifolia
 Stachys cordata
 Rhododendron Catawbiense
 Nepeta Gleasonii (crop)
 Cedronella
 Osmorhiza nuda?
 Heuchera conopsea?
 Penstemon?
 Lysimachia lanceolata? FRIDAY 30
 Osmorhiza Carolina
 Asplenium montanum

SATURDAY 31

C. Dr. A. M. Zappa, Georgetown S. C.

- Nov 28
 1746 Ruellia humistrata (11)
 114 Zephraea filipes (1)
 507 Krigia Caroliniana (2)
 1767 Styrax grandiflora (3)
 2511 Stillingia sebifera (2)
 806 - Crataegus apiculata. Raf.
 2804 Epidendrum compressum (2)
 660 Rhynchospora tenuis v. erecta?
 8 Clusia nipa L. (3)

THURSDAY, FEBRUARY 5, 1874.

cr. June 1878 John. Wall 64 Ave. N.Y. City

Tiquilaria discolor (Cf.)
Potamogeton sp. n. heterophyll.
Euphorbia commutata
Polygonum Caragi
Complanatum Avelin
Oribancha nuda
Polygala Curtissii

N. W. 178 Dr. J. S. May ex Rockland Centre Black River
 238 *Drosera capillaris*
 820 *Calceolites laevis*
 900 *Ornithoglossum*
 898 *Epilobium angustifolium*
 927 *Andropogon scoparius*
 950 *Ammannia Nuttallii* King
 950 *Costa linifolia*
 1215 " " L.
 1247 " *grandiflorus*
 1353 *Solidago rigida*
 1719 *Azalea canadensis*
 1376 *Phlox carolinensis* de.
 1720 *Rhododendron punctatum*
 1721 " *Calathea*
 1739 *Pteris aquilina*
 1909 *Geranium linifolium* Nutt.
 1993 *Pycnanthemum arifolium*
 1927 *Cassia coccinea*
 2075 *Stachys flandana*
 2093 *Helicophyton hirsutum*
 2177 *Phlox procumbens*
 2776 *Junonia*
 2807 *Mimulus - nigrum*
 2384 *Alternanthera aegyptiaca*
 2703 *Sparganium angustifolium*
 2788 *Sparganium angustifolium*
 3111 *Blackium senecioideum*
 3683 *Chelidonium majus*
 3702 *Pellaea atrovirens*
 3694 " *Brodiaea*
 3793 *Lycopodium complanatum*
 3727 *Asplenium adnigrum*
 A. *Asplenium procumbens* L.
 B. *Papaver Rhoeas* L.
 C. *Medicago lupulina* L.
 (E) *Rapistrum rugosum* All.
 (F) *Stachys annua*
 (G) *Allium flavum*
 (H) *Sorbus aucuparia*
 (I) *Polium confertum* Nutt.
 (J) *Primula parviflora*
 (K) *Valeriana foliolosa*
 (L) *Ammannia patens* Nutt.
 46. *Solidago spicata*
 72 *Epilobium angustifolium*
 107 *Andropogon scoparius*
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 111 *Andropogon scoparius*
 112 *Andropogon scoparius*
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 264 *Andropogon scoparius</*

MONDAY, FEBRUARY 9, 1874.

Mult

Exerts

Sept. 1878

- 806 *Crataegus apiculata* (2)
 300 *Phytolacca v. erecta* (2)
 492 *Asclepias paniculata* (2)
 409 *Pinus strobus* (2)
 283 *med. al. angustifolia* (2)
 58 *Cornus canadensis* (2)
 634 *Asplenium platyneuron* (2)
 890 *Samolus filipes* (3)
 908 *Xanthoxylum* mult (3) ?
 1247 *Urtica, angustifolia* (3)
 1260 *Urtica, angustifolia* (3)
 1301 *Urtica, angustifolia* (3)
 1375 *Urtica, angustifolia* (3)
 1424 *Hedera helix* (4)
 1481 *Carex lanceolata* (13)
 1523? *Marshallia latifolia* (3) oh says same
 1639 *Lobelia anthera* (2)
 1873 *Gratiola viscosa* (2)
 2233 *Sabbatia ferulacea* (3)
 2327 *Asarum canadense* (1)
 2540 *Urtica alata* (1)
 2657 *Pinus australis* (2)
 2552 *Urtica urens* (1)
 2875 *Gmelina latifolia* (3) ?

TUESDAY 10

- 2932 *Silene supub. v. lat.* (2)
 419 *Geranium columbinum* (2) called Callidone
 1386 *Silphium laciniatum* (1)
 753 *Asplenium platyneuron* (1)
 1029 *Dicentra spectabilis* (1)
 779 *Ran. bulbosus* (2)
 1585 *Cucumis virginicus* (1)

Feb 1879

Prof my deid. Peron

- 15 *C. Cassia Marylandica* +
 14 *Podophyllum peltatum* +
 13 *Senecio heterophyllus* +
 12 *Senecio aureus*
 11 *Polygonum canadense* L.
 9 *Hepatica acutiloba* DC.
 8 *Chelidonium majus* L.
 8 *Cyanus scaberrimus*
 6 *Thalictrum dioicum* ?
 5 *Urtica dioica* L.
 4 *Spiraea angustifolia*
 3 *Silphium trifoliatum* L. +
 2 *Matricaria* ?
 1 *Eupatorium purp.*

To sent Mich. 17. 1879

his deid. +

- 27 *Clematis och.* (2. fl. +
 22 *Sabbatia chlorantha* (2)
 20 *Samolus parviflorus* (1) +
 19 *Polygala grandifolia* (1) +
 18 *Petalostema gracile* (1) +
 17 *Glycyrrhiza lepidota* (1) +
 16 *Cerastium arvense* (1) +
 15 *Spigelia maritima* (1) +
 14 *Verbena stricta* (2)
 13 *Thermopsis alpestris* (2)
 12 *Collinsia aggregata*
 11 *Primula angustifolia*
 10 *Arenaria serotina*
 9 *Pedicularis canadensis* (1)
 8 *Geranium robertianum*
 7 *Erigeron philadelphicus*
 6 *Spiraea alba*
 5 *Lygodesmia glauca*
 4 *Gerardia pectinata*
 3 *Veronica virginica*
 2 *Scutellaria linearis*
 1 *Plantago maritima*

WEDNESDAY 11

Dec 24/28 Cr.

My dent Brata new are new restored.

- 1076 *Laicea coccinea* (1)
 860 *Hebeclera villosa* (1) no flr.
 1992 *Hesperis matronalis* L. (2)
 2310 *Sonchus oleraceus* L. (3)
 2310 *Gratiola virga* (3)
 2310 *Hypericum perforatum* (bad)
 2310 *Hypericum perforatum* (2)
 2310 *Hypericum perforatum* (4)
 2310 *Calamintha Nepeta* (1)
 ? *Cornelina erecta* (2)
 2310 *Ornithoglossum acuminatum* (1)
 2310 *Chelidonium umbellatum* (1)
 60 *Scrophularia exaltata* (2)
 2310 *Dianthus barbatus* (2)
 2310 *Dryopteris aquatica* (2)
 2310 *Baptisia alba* (1)
 2310 *Ipomoea pes-caprae* (1)
 2310 *Thymus vulgaris* (1)
 2310 *Amantia bulbosa* (1)
 2310 *Amantia bulbosa* (2)
 2310 *Androsace* (1)
 223 *Viola hortensis* (2)
 2310 *Veronica forficata* (1)
 2310 *Alnus glutinosa* (1)
 2310 *Zanthoxylum officinale* (3)
 2310 *Houlinia peruviana* (3)
 2310 *Dracopis pedunculata* (1)
 2310 *Tetraglochin helianthoides* L. (3)
 2310 *Thymus praenoxanthus* M. & A. (4)
 2310 *Madia coccinea* (1)
 2310 *Solidago canadensis* L. (2)
 2310 *Asplenium adnigrum* ? (2)
 2310 *Sedum rosea* Engelm. (3)
 2310 *Salix purpurea* (2)
 2310 *Scutellaria serrata* Michx. (2)
 2310 *Sedum ternatum* (3)
 2310 *Rhynchospora tenuis* V. Engelm. (3)
 2310 *Ruta graveolens* L. 2
 2310 *Rumex crispus* L. (3)
 2310 *Rudbeckia hirta* (3)
 2310 *Rumex crispus* (3)
 2310 *Pyrola asarifolia* (1)
 2310 *Plantago cordata* (2)
 2310 *Pyrola asarifolia* (2)
 2310 *Oenothera biennis* (1)
 2310 *Magnolia umbellata* (2)
 2310 *Marshallia latifolia* (3)
 2310 *Magnolia macrophylla* (2)
 ? *Marshallia macrophylla* (2)
 ? *Marshallia macrophylla* (2)

July 6/79 Recd.

- Rindera* *pubera* (1)
Solidago spectabilis (6)
Desmodium illinoense (4)
Pyrola *secundiflora* (2)
Chelone glabra
Matricaria inodora (2)
Chrysopsis *virginica* (1)
Campanula medium (1) no fruit
Coreopsis grandiflora (1)
Aster hortensis (1)
Anemone hepatica (1)

- Iberis amara* (Hinds?) (3)
Foeniculum vulgare (3)
Trigonotis flavescens (2)
Corylacea (2)
Carthamus tinctorius (1)
Cordispermum heliopsis (1)
Borago offic. (11)
Brassica caulicarpa (1)
Urtica procumbens (2)
Thymus vulgaris (1)
Salvia officinalis (14)
 " *sclarea* ? (3)
Pimpinella anisum (1)
Polygala cinerea ? (1)
Momordica balsamina (1)

FRIDAY 13

SATURDAY 14

- 77 *Myopodium glauca* L. (2)
Laportea Canadensis (2)
 3063 *Kyllburgia pubula* Mx. (2)
 1599 *Krugia Virginica* Willd. (2)
 2857 *Tris. cristatata* Nutt. (2)
 1743 *Salix aplylla* L. (2)
 763 *Secum radiatum* (1) Nutt.
 1148 *Fedia radiata* (1)
Costellia coccinea (2)
Calyptra sp. (2)
 671 *Centrosema Virg. Benth.* (1)
 44 *Diphylia cymosa* (2) Nutt.
Chysochloa Virginica (1)
 1473 *Coriopsis aureolata* (2)
Clethra alnifolia (1)
Codon glandulosus (1)
Chenopodium amb. v. n. Nutt. (1)
 1359 *Chysochloa graminifolia* (1)
 956 *Cephaelis virens* (1)
 2914 *Chenopodium umbellatum* (1)
Diodora (1)
 " *virginica* (2) Nutt.
Coronilla canadensis (2)
Desmodium illinoense (2)
Batrachium (Lam.) Virg. (1)
Arisaema (Lam.) Nutt. (1)
 " *torreyi* (1)
Conium maculatum (1)
Myrica (Lam.) Nutt. (1)
Urtica dioica (2)
Asimina triloba (2)
Zephoria Virginica (2) Nutt.
 " *Spicata* (1)
Zaluzium tenuifolium (1)
Sapindus aff. (2)
Satureia hortensis L. (3)
Zephoria (Spica) Virg. (1)
Symphoricarpos Vulg. (3)
Polygala procumbens (4)
Solidago canadensis (2)
Sabbatia gracilis (2)
 " *Ellisii* (2) Nutt.
Spigelia Marylandica (1)
Solidago Barta (2)
Simulium herbaceum (2)
Staphylea trifoliata (2)
Robinia hispida (1)
Rhus ca. Virg. (2) Nutt.
Commocarpus pauciflorus (1)
Persea Carolina (1)
Desmodium illinoense (1)
Monarda dioica (1)
 " *fistulosa* L. (1)
Melilotus alba (2)
Melilotus Virg. (1) Nutt.

— = New Arrivals, MONDAY, FEBRUARY 16, 1874.

18, 9 Dec 1957

Veronica araliifolia (11) +
Urtica velutina (12)
Mertensia aspera (3)
Veronica perfoliata (1)
Synandropappus (1) -
Asclepias tuberosa (1) -
 " *perfoliata* (1)
Euphorbia corollata (2) *reticulata*
Asclepias scaposa (4)
Kalmia latifolia (1) -
Polygala alba Nutt (1) +
Hesperis matronalis (1) +
Polygonum orientale (1) +
Scutellaria microphylla (1) -
Primula farinosa (1)
Urtica latifolia (1) -
Hesperis matronalis (1) -
Monarda didyma (1) -
Asclepias tuberosa (1) -
 = 19 species

1919
 Dr- *Quercus* *var. can.* (2)
Kalmia *lanceolata* (1)
Sycamore *seabra* (2)
Solidago *serotina* (1)
Desmodium *illinoense* (3)
Solidago *theriacalis* (1)
Hamamelis *virginica* (3)
Neotoma *viridis* (1)
Lythrum *hyssopifolium* (3)
Rudbeckia *hirsuta* (1)
Hebe *viridis* (1)
Munbulla *latifolia* (1)
Lythrum *hyssopifolium* (1)
Kalmia *lanceolata* (1)
Hamamelis *virginica* (1)
Eupatorium *hyssopifolium* (1)
 " *viridis* (1)
Polypodium *virginicum* (1)
Cedrus *libani* (1)
Sorbus *viridis* (1)
Vernonia *viridis* (1)

TUESDAY 17

WEDNESDAY 18

Inch. 13.1872 - Rec^d of W.H. Curtis + = new

<i>Descurainia glabra</i> Nutt. 4 <i>Rubra</i> Nutt. 4 <i>Oenothera laevis</i> Nutt. 3 1/2 + <i>Dianthus pusillus</i> Nutt. 2 1/2 + <i>Pellaea andromedifolia</i> Fee 21 <i>Crocodylus grandiflora</i> Nutt. 4 + <i>Apogon humilis</i> Ell. + <i>Cobaea puberula</i> <i>Soraria aspera</i> (L.) + 2339 <i>Polinaria allanensis</i> L. + 1675 <i>Vaccinium Elliottii</i> + 1770 <i>Durandtia Plumieri</i> Jacq. + 1121* <i>Psychotria rufescens</i> HBK. + 1302 <i>Solidago angustifolia</i> Ell. + 1762 <i>Bumelia</i> (L.) var. +	1477 <i>Corcopsis gladiata</i> Walt. + 1939 <i>Calophyllum humistratum</i> + 1948 <i>Deaertia (Pavonia) repens</i> + 2161 <i>Ipomoea conchata</i> + 2166 <i>Ipomoea Bona Nox</i> 2 + 2460* <i>Piper leptostachyum</i> Nutt. + 2754 <i>Ipomoea setacea</i> Nutt. 12 1/2 + 2687 <i>Pistia spathulata</i> Nutt. + 2846 <i>Tillandsia pinnata</i> Nutt. +
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THURSDAY, FEBRUARY 19, 1874.

1879 Janz

A. C. Martindale

Camden N.J.

July 31/79 127 v. 13

<i>Orbanche minor</i>	(1)	+
<i>Atriplex rosea</i>	(1)	-
<i>Plantago corniculata</i>	(1)	-
<i>Ranunculus phyllostictus</i>		-
<i>Sesquifolium</i>	(1)	-
" <i>parviflorum</i>	(1)	-
<i>Dipsacus tenuifolius</i>	"	-
" <i>mutabilis</i>		-
<i>Teesdalia nudicaulis</i>		-
<i>Sesuvium portulacastrum</i>		-
<i>Gerardia lutea</i>		-
<i>Echinops virginicus</i>		-
<i>Antennaria plantaginifolia</i>		-
<i>Geranium dissectum</i>	+	
<i>Trifolium vesicaria</i>	-	
" <i>polyceratum</i>	-	
<i>Ononis spinosa</i>	-	
" <i>repens</i>	-	
<i>Lotus tenuifolius</i>		-
<i>Ornithoglossum fenzlense</i>		-
<i>Infolium virginicum</i>		-
<i>Mullefolium missouriense</i>	-	
<i>Medicago marginalis</i>	-	
<i>Anthyllus vulneraria</i>	-	

FRIDAY 20

SATURDAY 21

1879 Feb. 18 Recd of Chas. Mott Mahdi

MONDAY, FEBRUARY 23, 1874.

+ *Micranthemum* *lychnis*, 1 *Lobelia* *fraxifolia* +
 + *Scrophularia* *sp.* +
 + *Melochia* *meluifolia* L.
Octolobos *Caymanensis* (2)
Viola *glabra*
Parsiflora *lutea*
 + *Catillia* *maritima* v. *arg.*
Sagittaria *melanophylla*
Cassia *obtusifolia*
 + *Gerardia* *Stenocarpa*
 + *Calamagrostis* *sp.*
 + *Euphorbia* *cardifolia*
Hydrocotyle *affinis*
Sparganium *filosa*
Siphonanthus *erecta*
Gerardia *maritima*
 + *Verbena* *venosa* Hook
 + *Andropogon* *plagiifolius*
 ? *Stokesia* *caerulea* L'Her.
Eupatorium *complanatum*
Oldenlandia *angustifolia*
Hemlockia *nummularia*
Vaccinium *stramineum*
Epilobium *puberulum*
Leptocaulis *divaricata*
 + *Medicago* *nummularia* Willd.
Panicum *culm* *securiter*
Sparganium *Hasp.*
 " *microphyllum*
Vicia *corymbosa*
 + *Richardsonia* *scabra*

Prunella *paludosa* 22 + 23
Inula *deltoidea*
Vincetoxicum *palutium*
Chaetochloa *lunata*
Prochloa *floridana*
Polygonum *fraxifolia*
Lythrum *canadense* +
Cerastium *viride*
Euphorbia *polyphylla* +
Pennisetum *glabrum*
Spiraea *gracilis*
Asclepias *sp.* +
Polygonum *setaceum*
Aspidistra *foliosa*
Grille *racemosa*
Salvia *azurica*
 62 - *Cyperus* *Decurva*
Fouquieria *puberula*
Oldenlandia *flora*
Salvia *boracae*
Solanum *sp.*
Panicum *littorale*
 " *TUESDAY 24* 72a73
Physalis *obscura* +
Moraea *melanophylla*
Inula *terrestris*
Panicum *littorale* Vasey +

Aster *adnatus* +
Solidago *paniculata* +
 " *puberula* +
 " *sp.* +
Hesperis *matronalis* +
Chrysanthemum *grandifolium*
Polygonum *hydropiper*
Aster *diversus* var. *foliosus*
Diplotaxis *argyrea*
Senecio *littoralis*
Solidago *sp.*
Aster *canadensis*
Epilobium *ovoides*
Carex *flacca* +
Liatris *sp.*
Epilobium *sp.*
Stokesia *caerulea* +
Eupatorium *paniculatum* +
Vernonia *angustifolia*
Panicum *sp.*
Silene *sp.*
Leptochloa *sp.*
 " *sp.* ? +
Eupatorium *paniculatum*
Echeveria *capitata*
Rumex *salicifolius*
Quercus *virginica* v. *maritima*
Linum *flavum*

1880 Recd of Mott. Jan -

Hibiscus *aculeatus* (Huds)
Bumelia *cinerea*
Mimosa *strigillosa*
Physalis *angustifolia*
Callispermum *divinatum*
Ruellia *rotundifolia*
Muhlenbergia *sp.*
Polygonum *sp.*
Sparganium *sp.*

Croton *paniculatus*
Spergularia *glabra*
Vitis *icaria*
Myrica *nodosa*
Lilium *castellum*
Sabbatia *macrophylla*
Desmodium *clavatum*
Leptochloa *sp.*
Euphorbia *tetraphylla*
 " *filulifera*

Tropaeolum *acutatum*
Sarcocolla *sp.*
Sedum *sp.*
Leptochloa *sp.*
Rumex *sp.*
Sabbatia *sp.*
Sarcocolla *sp.*
Leptochloa *sp.*
Cyperus *sp.*
Rumex *sp.*
 " *sp.*
Azolla *sp.*

WEDNESDAY 25

Acer dasycarpus in flower - Mad. Ave. 149 1881-

Rec'd from Dr. Geo. Vasey April 4. 1879

3 <i>Chenopodium Salicifolium</i> L. -	2533 <i>Batis maritima</i> L. -	1917 <i>Junonia</i> in flower pl. -
39 <i>Malvastrum coccineum</i> -	2385 <i>Crotalaria pumila</i> L. -	1941 <i>Ruellia</i> in flower -
13 <i>Coccoloba maritima</i> (Poir.)	2387 <i>Telaubium floridum</i> Chap. -	1869 <i>Asplenium</i> in flower -
132 <i>Pectis linifolia</i> -	2416 <i>Thysanella fruticulata</i> Jacq. -	2792 <i>Peltandra</i> in flower -
1 <i>Urena lobata</i>	2439 <i>Coccoloba uvifera</i> Jacq. -	2785 <i>Spergularia</i> in flower -
1 <i>Euphorbia</i> -	2440 " <i>floridum</i> Jacq. -	2736 <i>Myrsine</i> in flower -
22 <i>Echites Andreii</i> Chap. -	2546 <i>Pectis pumila</i> mult. -	2848 <i>Helianthus</i> in flower -
33 <i>Pisonia obtusata</i>	2535 <i>Phyllanthus</i> in flower -	3022 <i>Saccharum</i> -
113 <i>Borreria micrantha</i> (L.) -	246 <i>Euphorbia corollata</i> Ell. -	<i>Nephrolepis</i> in flower -
1 " <i>puberula</i> L. -	2457 " <i>mequialata</i> Jacq. -	<i>Marsilea</i> in flower -
127 <i>Eritalis fontana</i> L. -	878 <i>Siriana maritima</i> L. -	<i>Polypodium</i> in flower -
1128 <i>Hamelia patens</i> (Lam.) -	943 <i>Papilionaria racemosa</i> Jacq. -	<i>Chamaecrista</i> in flower -
129 <i>Rondeletia aculeata</i> L. -	942 <i>Phytophaga Mayne</i> L. -	<i>Polypodium</i> in flower -
204 <i>Capparis jamaicensis</i> Jacq. -	728 <i>Chrysobalanus</i> Jacq. L. -	<i>Chamaecrista</i> in flower -
437 <i>Velutia acida</i> L. -	982 <i>Eugenia dichotoma</i> DC. -	<i>Sorghum</i> in flower -
462 <i>Scutia ferrea</i> (Lam.) -	984 " <i>monticola</i> DC. -	<i>Nephrolepis</i> in flower -
483 <i>Morimus phyllanthidis</i> Berk. -	985 " <i>bracteata</i> Willd. -	<i>Pellaea</i> in flower -
487 <i>Hypelate paniculata</i> Lam. -	415 <i>Exaltum cistoides</i> L. -	<i>Ornithopus</i> in flower -
726 <i>Nephrolepis</i> - Berk. -	399 <i>Agave pusilla</i> L. -	<i>Chamaecrista</i> in flower -
723 <i>Desmanthus bipinnatus</i> (Lam.) -	2092 <i>Heliconia</i> in flower -	<i>Pteris</i> in flower -
85 <i>Pisonia</i> in flower -	2088 <i>Journefortia</i> in flower -	<i>Alpinia</i> in flower -
590 <i>Sesbania macrocarpa</i> Muhl. -	2083 <i>Cordia bullata</i> L. -	2895 <i>Vernonia</i> in flower -
120 <i>Eupatorium nucundum</i> Chap. -	2017 <i>Scaevola</i> in flower -	2885 <i>Melissa</i> in flower -
1366 <i>Cynopogon scabrella</i> DC. -	1778 <i>Myrsine floridana</i> Jacq. -	307 <i>Artemisia</i> in flower -
1403 <i>Conchocarpus erithraeum</i> L. -	1777 <i>Laguncularia</i> in flower -	1425 <i>Rudbeckia</i> in flower -
1412 <i>Borreria colorata</i> DC. -	1766 <i>Mimosa</i> in flower -	263 <i>Hypocistis</i> in flower -
1455 <i>Heliconia praeceps</i> Jacq. -	1751 <i>Agave</i> in flower -	1389 <i>Silphium</i> in flower -
1480 <i>Conocarpus laevigatus</i> DC. -	1702 <i>Andropogon</i> in flower -	923 <i>Syntherisma</i> in flower -
1498 <i>Bidens ciliaris</i> Willd. -	1649 <i>Decasol</i> in flower -	843 <i>Arctostaphylos</i> in flower -
1501 <i>Sporobolus</i> in flower -	226 <i>Echinos</i> in flower -	745 <i>Conium</i> in flower -
	223 <i>Erythronium</i> in flower -	740 <i>Sporobolus</i> in flower -
	2197 <i>Salicornia</i> in flower -	2577 <i>Boerhaavia</i> in flower -
	1923 <i>Arceuthobium</i> in flower -	<i>Calceolaria</i> in flower -
	1969 <i>Cithrocyba</i> in flower -	<i>Euphorbia</i> in flower -

FRIDAY 27

THURSDAY, MARCH 5, 1874.

Jan 18 Recd of J. D. Lottman 54 specimens 42 lbs 12 oz 30 pence

Jan 18 Recd of J. D. Lottman 54 specimens 42 lbs 12 oz 30 pence

20 Gallons provided

FRIDAY 6

Calceolaria
Dentaria multifida
Sida Elliottii
Stuartia pentagyna
Astragalus platensis
Heuchera pubescens
Myrica aquatica
Thalictrum flavum
Aster asperulus
Hesperis matronalis
Gratiola officinalis
Phacelia purillia
Podostemon atrorubens
Dracopis maculosa
Pachyrrhizus pinnatus
Planera aquatica
Alectiaophylla

SATURDAY 7

MONDAY, MARCH 9, 1874.

TUESDAY 10

WEDNESDAY 11

THURSDAY, MARCH 12, 1874.

FRIDAY 13

3*

SATURDAY 14

MONDAY, MARCH 16, 1874.

1878-Mch 16. Crocus & Snow ^{in bloom in garden} Drops just ~~out~~ - Season early.

TUESDAY 17

WEDNESDAY 18

THURSDAY, MARCH 19, 1874.

FRIDAY 20

SATURDAY 21

MONDAY, MARCH 23, 1874.

TUESDAY 24

WEDNESDAY 25, 1877

P.M. Central Park - 110th St + 8th Av. - *Draba* in seed.

THURSDAY, MARCH 26, 1874.

FRIDAY 27

SATURDAY 28

MONDAY, MARCH 30, 1874.

TUESDAY 31

WEDNESDAY, APRIL 1

THURSDAY, APRIL 2, 1874.

FRIDAY 3

SATURDAY 4

MONDAY, APRIL 6, 1874.

Sunday TUESDAY 7, 1876

3 1/2 P.M. To Woodside S. of R.R. Depot. Nothing found except *Acer rubrum* & *dryas* common.

1876

Winter of 1875-6 remarkably open & mild - no snow till Feb. then only 3-4 inches. Some warm days in Jan. - Spring, especially March, raw & cold, & vegetation starts slowly. The mild winter results in rather a backward spring -

Saturday WEDNESDAY 8, 1876

P.M. N. Hoboken via river road to Weehawken Ferry. On rocky, woody hillsides found *Saxifraga Virginica*; *Veronica hederaefolia*; *Dicentra cucullaria*; *Stellaria media*; *Dentaria laciniata* ^{in bud}; *Claytonia Virginica*, all abundant, & in full bloom except *Dentaria* which showed only its partly opened pink buds; and all except *Dentaria* appeared to have been in full bloom for a week at least.

1879 Apr. 8 - To Prince's Bay for *Erygia* - none in bloom nor anything else. Season a month behind 1878 - & a week or 10 days later than usual.

THURSDAY, APRIL 9, 1874.

1878 - Ap. 9 - Hyacinths & Tulips in bloom in yard

FRIDAY 10

1874

John SATURDAY 12, 1877

1 To church - and S of ch. & north round the point to Spring Lake.
Dulacoma 1/2 way near School h. - Sax. Virg. - Dulac Car. as I thought
lives in the S of ch. - *Thalictrum* *Dicentra* cuc. Hep. tril.

Sat
MONDAY, APRIL 13, 1874

9.81 Island & Prince's Bay - Button Bay (9) ..
Epigaea rep. Erythron. Am. - Clay. V. - Umeclanch. Cam. v.
Rep. Gleham. Viola cuc. Rep. trilob. - Umem. Num. & thalec. -
Peach trees in bloom

TUESDAY 14

Saturday WEDNESDAY 15, 1876

P.M. 42 St. Mary's Bloechant as on 8th - & thence S. 1/4 m. by river - Same as on
8th in blossom - Dicentra cuc. in profusion, & rank
Also Viola cucullata, & Equisetum arvense:

Sunday THURSDAY, APRIL 16, 1876

To Central Park 'Clark.
Acer rubrum + *dusycarpum* etc

FRIDAY 17

SATURDAY 18

1878 Apr 18. Season Early - Pear trees in yards fully in bloom

Sat
MONDAY, APRIL 20, 1878

9.20 to Weehawken N. past Gttenberg Hill side, & up ^{the} riv. to swamp.
 Lithosp. anem. - Geran. Robt. (just out) Dicot. cuc. - Anem. Cana. v. rotund.
 Veronic. perig. Sax. Virg. Dent. lac. Clay. Virg.
 In swamp - Anem. nem. & thalic. Viola Cana & blanda & Cuc. Anem. trif.
 Carex platyph. Thalic. divic.

1880. Apr. 20 Peach tree in yard in full bloom

Saturday TUESDAY 21, 1877

1. Bk. to Huron - W. side S. of R.R. Dep. - thence North - Dicot. cuc. Anem. thalic.
 Linder. Bengoin. Hep. tril. Stel. med. Symp. foetidus. Draba verna matron.
 Scroph. Arabis thalic. Capsella b-p.
 3. To 6th Ave. Harlem river - Nothing there except Capsella in flower.

Saturday WEDNESDAY 22. 1876

1. To Wm. Bridge - 70 rods S. of depot, where brook crosses the highway, in space of
 one rod square found Dentaria laciniata; Claytonia Virg. Thalictrum anem.
 Hepatica triloba; Erythronium Amer; Viola cucullata; ^{Dicentra cruciatifolia} Sanguinaria Cana.
 Across the road on the hill side; also ^{Targaxium Dentaria} Asarum Canadense; Antennaria plantaginifolia
 3. Larchmont; west of depot 1/4 mile by brook, 2 crosses & Thalictrum divic. & ^{Arenaria} ^{Scroph.} ^{Linder.} ^{Bengoin}
 most of the above, less advanced & less prolific. Chrysosplenium Amer. -
 odoriferum. Acer rubrum - Callith. palustris, marsh cross

Sunday THURSDAY, APRIL 23, 1876

4 P.M. Central Park - Capsella Bursa-pastoris near 100th St. Entrance - Also in uncleared
- Woody thicket N. of 100th St. transverse road & West of Reservoir, found Anemone nemorosa in
abundance with Engelmannia Amer. - On top of hill at 105th St. & 8th av. - Saxifraga Virg.
Draba verna in seed & flower. & a few spec. of Potentilla Canadensis, & Taxodium densum.
Populus balsamifera s. l. cor. of Park.
1880 Ap. 23, Pear tree in yard in full bloom - & Dicky tree just out.

Wednesday FRIDAY 24/78

City of Appeals - Mad. ave. Cl. 3 P.M. Hudson R.R. (E) Woods
Trillium erectum; Urtica grandifl. Asplenium Can. Sanguin. Can. Ranunc. fasc. with the diph.

4 SATURDAY 25/80

Hunt's Point 'Red Kim' - Claytonia Virg. - Viola rotund. blanda, Cere. pubesc. Engelm.
nium Virg. Aquilegia Can. (near art) Saxif. Virg. Ranunc. rep. bulb. Caltha
palustris - Ap 26/80 Prospect Park Hudson - Ribes aureum - Berberis aquifolium - Pedic. Can
Ceratium nitens - & Sanguinaria Can. in woods.

MONDAY, APRIL 27, 1874.

TUESDAY 28 1876

3 P.M. To Prince's Garden - *Arabis* Thal. C. *Cornus mas* *Corydalis* *Soleda* *Soleda*
Ranunculus ficaria *Hamamelis* *Hamamelis* *Hamamelis* *Hamamelis* *Hamamelis* *Hamamelis* *Hamamelis*
Nequidaceae, *Calceolap* *Calceolap* *Calceolap* *Calceolap* *Calceolap* *Calceolap* *Calceolap* *Calceolap*
Vincetoxicum - *Acer pseudo plat.*

Saturday WEDNESDAY 29. 1876

1 P.M. Prince's Bay St. J. - Rudkin - for *Epigaea repens* - near end of creek S.E.
of Dept 1 m. at widest part where are 2 opposite bays - on N.S. of creek on slope
facing S.W. - *Epigaea* abundant. - On creek 1/2 m. back, found most
luxuriant *Hepaticas*, *Anemone nem.* & *Erythronium Am.*
Amelanchier Canad. *v. oblongifolia* - *Medicago lup.* - *Nepeta glabra*
Lamium amplexicaule - *Viola cuc.* *Ranunc.* abort. *Viola prunifolia*

THURSDAY, APRIL 30, 1874.

FRIDAY, MAY 1

SATURDAY 3.1879

3 PM. Hunt's Point woods - *Viola rotundifolia*, *Canina*, *Cuc. + blanda* -
Anemone nem., *Thalictrum anem.*, *Saxif. Virg.* - *Aralia quinquifolia*
Aryaena trif., *Urtica sess.* - *Claytonia Virg.*, *Calla pal.*, *Hepat. tril.*
Erythronium *an.*
A week late for *Viola rot.* + *bl.*

Thursday MONDAY, MAY 4, 1876

Weekawton - S of Ferry, hill sides - Ruger, Impatiens, Rudkin, Fragaria, Dr. S. &c.
Arisaema, Trifol; Dentaria lac. (perfecta) Barbarca Vally: Viola pubescens
+ Cornus florida; Thalictrum dioicum - Geranium maculatum; Aralis Gr.
Sithespermium aureum (R.R. track)

Friday May 4, 1877

P.M. Morgan (Long Canal R.R.) Rudkin - Epigea repens scattered around Cove N of R.R. dock
but late - in prime 10 days ago - Viola picta, blanda, cuc. Ranunc. occ. - Azalea
nudif. nearly out - 400 Myrica cerif. - Luzula campestris - Draba verna -

TUESDAY 5

Saturday ~~WEDNESDAY~~ 6, 1876

Panunzio - via Canal to Newark Bay &c - Rudkin &c
Aquilegia Can. - Urtica serrilifolia; Aralia trifolia (under bushes)
Viola blanda. Fragaria vesca - Ranunculus repens, & obtusifolius.
Aralis Grata in abundance in pasture by St. Bay: Anemone Can.
Sagittaria frondosa. Betula lenta (Black Birch) Luzula campestris

Sunday May 6, 1877

1.30 Do Morris dock - thence 4/8 m. North to brook th. East across 2 roads & cut. ag. to Farm
Equisetum av. - ^{Viola cuc. & blanda} Fragaria vesca, Dentaria diphylla very abundant along St. brook. Arisaema
ma trif. Cardamine rhomboides (by brook). Cherry & Pear trees in full bloom St. arm
Can. (by Wall) Erythronium am. (fruit) Sansevieria off. Betula. Sisymbrium Thalictrum
Quaternary on Aqueduct - Plantago lanc. (slope East) Viola cuc. & Claytonia virgin. very abundant
in wet field W. of Central Ave. Salix. Liriodendron virgin. - Cornus florida out - in brook
of the marsh. Forsythia viridis + Lydonia Jap. in full bloom in Japanese village.

Sunday THURSDAY, MAY 7, 1876

Scarsdale - West of Stream - Asarum Can: abundant; Sanguinaria, past bloom;
Pedicularis Canadensis; Caltha palustris; Ranunc. repens. Anemone nemorosa &
Thalictrum flavum; Amelanchier Can: ~~Castanea~~ ^{dentata} diphylla (small,
pale)

FRIDAY 8

4*

SATURDAY 9

Thurs. MONDAY, MAY 11, 1874

Garden Lighter begin blossom. Peach blossom gone

May 12/80 Prunus Sarda 4 Pk. Schreute - Quercus Interea, Q. robur (petioles)
 Eytien, Scapanus - Asimina triloba, Cercis Can, Celtis occ(?) Cerasus - ?
 Viburnum Lantana, Asclepias Paria ac. flava, Asimina triloba Ribes nigrum
 Caragana albescens, Lyngbya perica (red) Lonicera Tatarica - Acer pseudo-Platanus
 Cercis Can. Halesia tetrap. Prunus Virg. & Padus, Quercus leucobranca (Cen. v. cin.)

TUESDAY 12/77

NEW DOYp. St. Is. Britton, Ruga Rud. de - To Todt Hill & north to Vand's Landing.
 Clematis ochrol. - Veron. auricula - Cerastium oblong. Hesperis caenul. Arabis lyrata
 Viola ped. blanda, primulaef. Lepid. camp. Vinca minor Lysan. murellaria
 Euphorbia cypripedium - Anem. nemorosa - Pogonia vertic. (gone) Ligustrum. St.
 Helianthus americana (or. 2 if not in bud) Chelidonium majus Sanafra off.

May 12/79 - Poughkeepsie - Erodium Cicutarium
 " " Tarrytown - Sleepy Hollow - Viola blanda, Sax Virg. alba Can.
 " " " Rail road, Arabis laevigata, Aquilegia Can

Saturday WEDNESDAY 13, 1876

Omaha Bay - The following reported by Mr Rudkin - Being sick I did not go.
 Arisaema Canad. Viola primula. Scleranthus An. Ranunc. bulb.
 Sanafra off. Vaccin. vacil. Monarda perfol. Thaspium Can.
 Quercus rub. & alba. Cardamine rhomb. Erigeron bellid.
 Plantago lanc. Trifolium Pra. Composita asplenifolia

THURSDAY, MAY 14, 1876

Coney Island - Reported by Mr. Rustin
Viola pedata. *Rumex acetosella*.

23

FRIDAY 15/79

Highlands - opp. Paylke's - *Juniper. com.* *Pinus Strobus*. *Aquileg. Can.*
Viola cuc. blanda, *sagittata*, *rostrata*; *Orchis spect.* - *Argem. Can.* *Sarr. Can.* (fl.)
Diantha cuc. *Tusilago farfara*.

SATURDAY 16/79

4 P.M. Commence July - *Lepidum Draba* (early) *Thelyp. am.* *Arabis Thaliana* - *Erys.*
imm. repandum - *Lamin. anglex.* - *Nast. arvensis* (perpetua)

Shunday MONDAY, MAY 18, 1876

Woodside Rd. & N. bastonia - Reported by Mr Rudkin
Osmunda Clayt. Smilacina bifol. Trillium cernuum.
Osmorhiza brev. Polygonatum Malt. Smilacina racem.
Viola lanceol. Cardamine hirsuta

TUESDAY 19/77

Claster + E. + b Demarest - Rnd. Ruy. Wilbur Schuch
Trollius laxus (late) Senecio an. Erig. bell. Oxalis viol. Sarac. purp. Lonicera
Azalia med. Ribes flor. etc

1 P.M. Inwood Point via Sp. Dec. May 20/77
Dendroica dyph. (fruit) Thal. divi. (fr.) Fedia pop. Lonicera par.
Syzymium Thal. (fr.) Cardam. hirs. v. Gynoplerium off. Cydonia vulg.

Saturday WEDNESDAY 20

Mountain heights N.Y. Reported by Mr Rudkin
Azalia nudifl. (in profusion) Azalia medicinal. (ditto)
Hypoxis Erecta. Ranunc. recurvatus. Osmorhiza longist.
Osmunda regalis (not fully out) Dr. Claytonia
Prunus serotina.

~~Mon~~ FRIDAY 22. 1876

Called on Prof Leroy: he gave me specimens, brought from St. Is.

1. *Viola pedata*, of pinkish color; + *Castilleja coccinea*, of yellow color.

May 22/76 - Communion Ferry - *Hesperis matronalis*, *Spergularia arvensis*, *Ranunculus bulbosus*,
Anthriscus?, *Allyrium calycinum*, *Centaurium nigricans* (bud), *Geranium molle*,
Erodium cicutarium, *Fumaria* off. *Campanula* (fl.), *Thalictrum* (fl. & frt.).

May 23/76
 3 P.M. To Spzler Dug. - *Viola ped.*, *Silene Penn.* (fr. day) *Vaccinium*, *Stem. Coryd.* 96.
Juncus cirineus, *Barb. vulg.*, *Carduus. luteus*

Tues SATURDAY 23 1876

Having been confined to house, with severe cold since 11th inst., I have failed in the needful excursion to keep the run of the blossoming. Wm. Bridge, I visited this P.M. - Prof Leroy; found in blossom
Galium aparine; *Chelidonium majus*; *Cardamine rhomboides*.
Ranunculus bulbosus; *Viburnum lentago*; *Arenaria serpyllif.*?
Scilla maritima, *Cornus florida* in perfection, do, *Geranium macul.* *Anthoxanthum odoratum* *Luzula caespitosa*
Veronica; *Osmorhiza brevistylis*. *Sanicula canadensis*.
Staphylea trifolia. *Aphyllan uniflorum*

Wednesday MONDAY, MAY 26, 1876

10 1/2 - 12 1/2 Inwood - *Viola pedata*, in profusion - with abundant *Selene Penn.*, *Allegueligian*
Crataegus ^{*Cydonia*} ~~*Crataegus*~~; *Viburnum Lentago*. *Pyrus arbutifolia* v. *Erythraeum*.
Nasturtium amurica. *Lepidium campestre* (rare) *Arabis laevigata*.
Cynoglossum officinale; *Corydalis glauca*; *Lonicera pauciflora*.
Myosotis verna; *Seranium Robertiana* & *Nepeta Glech.* in profusion.
Hypoxis erecta - *Cornus Florida* in perfection; *Ranunc. bulbosus*,
Leucanethemum vulgare. *Krigia Virginica*, *Gaylussacia res.*; *Vac. vac.*

May 24/79 - Upper Mantelaw - on mountain. *Abolonia Virg.* *Arabis nudifl.* *Sed.*
acine vac. *Osmorhiza brevis* - *Saur.* ^{*Cypripedium pubesc.*} *Maya* - *Franklin* (n. *Blomfield*) *9th*
Polygala paucifl. (ft. 10 days late) *Podophyl. pelt.* (10 days late) *Chama.* *lat.*

TUESDAY 26/77

Deerpark & Babylon Schenck. *Quercus pr. v. penn.* & *illicifolia*
Androsaph. u. Virg. (bloom) *Cypriped. acaule*. *Vac. Penn.* *Corymb.* *Prunus nig.*
Ornithog. umb. *Scilla Frax.* *Trient. Am.* *Smil. bif.* *Pz. arb.* *Urtic. Sen.*

SaturWEDNESDAY 27, 1876

Laural Grove - 1 P. P. *Ruga*, *Redkin* Prof Schenck. &
Cypripedium acaule; *Trientalis Amer.*; *Melampyrum Am.* *Vacc. vac.* & *Corymb.*
Myrica Cerifera. *Osmunda cinnamomina*; *Quercus prinoides*, *Siig. richum* *Ac.*
Comandra umbellata. *Compt. asp.* *Azalia nudiflora* *Rubus* - - -

May 27/79 Prince's Garden - *Haleria totia* (fl.) *Chorizanthe Virg.* *Cornus mas* (1/2 ft.)
Lonicera Tartar? or *paucifl.* *Spiraea* - ? *Cydonia Jap* (fl & ft.) *Iris Soed. ac?* *Ranunc. ficif.*
Stewartia Melantherum. *Cladanth. tunc* (bud) *Morus nigra* & *rub.* - *Azalea nud.* - var *selago*

THURSDAY, MAY 28, 1874.

FRIDAY 29/77

6th Ave. & Har. Rv. *Arabis perf.* (Plantago Virg. *Silene antirrhina* 7th Ave)

Fri SATURDAY 30. / 1876

Alpine (from Yankers by wherry) to Demarest to Cresskill - 70°
Labradorium vulgare; *Senecio aurea*; *Rhus typhina*, *Carya tomentosa*; *Veratrum*
viride; *Saxifraga Penn.* *Myosotis pal.* *Nuphar advena* *Erigeron bellus*
Ribes floridum *Urtica dioica* vulg. *Saracenia purp.* *Vaccin. stem.*

Keyport N.J. - Rye & May 30/77
Crat. coccinea - *Prunus marit.* - *Viola prim.* *Androm.* *Mar. Lonicera* *rac.*
Euph. Sph. *Broussonetia papyracea*. *Lithosp. arvensis*. *Lychnis Gith.*
Arestima bulbosa (n. Holmsted)

May 30/78 - Rochelle Park & Rudkin - *Androm.* *Arvensis*.

" 30/79 - Glen in West Farm East of Castletown School - *Lippia* (bud) - *Hydrangea* (bud)

Monday & Friday MONDAY, JUNE 12, 1876 Saturday, 21

4 P.M. To Phil. & Spontum - Stepped at 7 1/2 at Manchester N.Y. till 8 1/2
 Am. Saturday ... *Arctostaphylos* *bulbosa*; *Geroplyllum* *asphodel.*
Leucothoe *racemosa*. *Andromeda* *maritima*. a. 20m. Riv. N.Y.
Orontium *aquaticum*. - *Magnolia* *glauca*; *Azalea* *viscosa*; *Cassandra* *calyculata*
Leoplyllum *luxifolium*.

TUESDAY 2/77

Supperus *ng.* - *Willow*, *Rug.* *Rud.* *Thaspium* *aur.* *Sene.* *au.* *Oenoth.* *pur.*
Vern. *off.* *Cynctia* *Virg.* *Hersch.* *Am.* *Mitella* *diphylla* *Viol.* *Can.*
Coryd. *gl.* *Kalmia* *lat.* *Gratiola* *Virg.* *Cheilanthes* *or* *Woodie* -
Cypripus *frag.* *v. dentata*

WEDNESDAY 3

THURSDAY, JUNE 4, 1874.

FRIDAY 5

SATURDAY 6

Thurs MONDAY, JUNE 8, 1876

12. New Lots, Union & Woodhaven L.I. - Ruger & Rudkin
Cnicum horridulum; *Iris gracilis*. *Arctostaphylos* on rocks.
Andromeda Marina; *Euphorb. cph.* *Lupinus perennis* in
pasture S.E. of Woodhaven Church. *Viburnum pumifolium*
Calystegia spithamea

TUESDAY 9

Saturday WEDNESDAY 10 . 1876

1. 20 To Weehauken - Ruger, Rudkin, Dr Schrenck, Hyatt & G. H. Hobbs
Hydrophyllum Virg. - *Tristemon perfol.* - *Hesperis mat.* - *Liriodend.*
Senebiera didyma on road on line of N. Hoboken & Weehauken.
No flower of *Echinopsium*, but shoots only. & *Guaphalium* off.
Myrica multiflora - *Matricaria Virg.* *Celtis occidentalis*

Wednesday THURSDAY, JUNE 14 1876

Woodlawn - Cemetery & Cambridge - alone - 2 hours -
Lysimachia quadr. *Asclepias quadr.* *Thalictrum Cornuti.* *Cimicifuga rac.* (abundant) *Oxalis violacea*, near Cedar Crest, S.

FRIDAY 12

SATURDAY 13

MONDAY, JUNE 15, 1874.

TUESDAY 16

WEDNESDAY 17 21/76

Inwood - Rudkin - (5-7 P.M.) *Kalmia latifolia* - *Corydalis flavescens*
Chimaphila umb. - *Rosa Rubiginosa* & *blanda*. *Rhus typhina*
Jussiaea Europaea (as read) *Opuntia Vulg.* *Rubus odorata*.

THURSDAY, JUNE 18, 1874.

FRIDAY 19

SATURDAY 20

MONDAY, JUNE 22, 1874.

TUESDAY 23

Satur WEDNESDAY 24, 1876

2 ~~Keypart~~ Matawan N. met R. & B. Brown. Rya, Rusten, Schenck
Ceanothus Am. Crataegus parviflora. Scutellaria pectorata, & integrifolia
Asclepias obtusifolia. Aletris farinosa. Opuntia Vulg. Prunus maritima
Asclepias tuberosa. Lichium littorale. Calapogon pulegioides. Pogonia ophioglossifolia
Vaccinium oxycoccos. Syzygium palmatum. (Polygala polygala)
Orchis spectabilis. Lilium Philadelph. Aristolochia serpentina. Botrychium Virg.

THURSDAY, JUNE 25, 1874.

FRIDAY 26

SATURDAY 27

Thurs MONDAY, JUNE 29, 1876

Woodside - R.R. (E) M. Prunus Penn.? Apocynum Androsaemum; Cirsium
Rosa lucida - Cornus pericea. Erigeron An. & strig. Verbena - Penn.
In Garden. Liliun Can. 10⁶ in fl. - 1 head of 12 flowers -

TUESDAY 30

Satur WEDNESDAY, JULY 1, 1876

Glencove - met Mr Coles, surveyor; Cirsium pumilus; Potamogeton
Sericocarpus corymbosus. Trillium cernuum (fruit) Vicia cracca
2 anthracium Amer. Sympyrum fl. Adiantum ciliolatum.
(Polypodium paucifolium, Corydalis aurea, Trillium erectum, Tri-
ostema argentifolium from Mr Coles spring collection)
Morus alba; Martynia prostrata; Dioscorea villosa
(Cannabis Sativa, Jamaica R.R.) Cannabis Sat. Symphytum fl.

THURSDAY, JULY 2, 1874.

FRIDAY 3

5*

SATURDAY 4

MONDAY, JULY 6, 1874.

TUESDAY 7

92° Saturday WEDNESDAY 8. 1876
Stal. Is. Rye. Schuch. Reedkin - Chorlton, Nursery - the same Rye one way
of Sedum, Sempervivum, Filices &c - thence S.E. to ^{Silver Lake & Portman} Pond, followed stream S.W.
Broselia peltata, Portulaca Canad.

THURSDAY, JULY 9, 1874.

FRIDAY 10

SATURDAY 11

Thurs MONDAY, JULY 13, 1876

90°
3 P.M. To Maspetta + by R.R. to Calvary, Conn. - Campan. app., Crataegus^{2nd}
Princess Garden - Vincetog. nig. Aethusa Cynapium - Lythrum Sal. - little else
of value.

TUESDAY 14

Saturday WEDNESDAY 15, 1876

93°
8.30 Greenwald Lake N.Y. Rizer, Redkin & Schumck. - ~~Heulitt~~ in R.R.
Saururus cernua; Taxus baccata in fruit (red); Rhodod. max. fr.
Anacharis Can.; Isoetes lacustris; Ludwigia pal. Nymphaellum
Polygonum amplidrum - Sarracenia purpurea Habenaria psycodes.

THURSDAY, JULY 16, 1874.

FRIDAY 17

950
4 PM To Wm Bridge - N. West in Wards by R.R. . *Sammus Cernus* &c

MONDAY, JULY 20, 1874.

TUESDAY 21

WEDNESDAY 22

Sat. THURSDAY, JULY ²²~~23~~, 187⁵

Rudkin, Dr Schoder, Wall.

P.M. Staten Island, - intended but Ruger not present & Rudkin took us off at
Zanbani's - thence West Woods - *Chenopodium mac*: *Pyrola rot.* - *Arctis* (Lyrate?)
Labelia *Spic*: & *Kalmii*; - thence to 4 Corners Brewery 1 1/2 m. *Circea* *lut.* - thence
by 4 Corners to Vanderbilt's Landing 4 m. - In swamp on left (N) *Melanthium*
virg. - *Allium* *tri-coe*; *Nasturtium* *off.* - On hill much *Baptisintectoria*.

Saturday July 22, 1876

8.30 ~~Greenwood Lake~~ *Centerville* *N.J.* - Ruger, Rud. & Schrank. - via Fresh Pond & Westside
In Swamp - *Habenaria ciliaris*, & *tridentata* (?) *Oreocera oblong.* & *retund.*
Lilium Superbum in fl. - Along Acqueduct - *Verbena angustifolia*, *Tri-*
cuspis *pumila*; *Marrubium*; *Zyphium* *varies* 13 in. long. - *Alytris* *fasci-*
Archangelica hirsuta - *Aceratis vridif.* - *Euphasia cyparissias*. *Polyg. cuc.*

FRIDAY 24

SATURDAY 25

MONDAY, JULY 27, 1874.

TUESDAY 28

Sat. WEDNESDAY 29. 1876

N. Durham - Fairview. & Clats - Tennally. -- Fraxula Can. Hipp. Corymb.
Phragmites Can. - Zizania aquat. - Hibiscus Mos. Dielidactylus - Aralia rac.
Cerastophyllum Sonchus oler. Habenaria procumbens Cilectis in gr.
Abundant 1/2 mile N. of Tennally W. of R.R. - open field - Cynopeltis Normani.

THURSDAY, JULY 30, 1874.

Saturday FRIDAY 31, 1875

Ruger, Rusten & Dr. Shoen

8 PM. E. Wmsburg n. Middle Village - leave h. cars at City limits, - Salt marsh, get
Scirpus, pung. + mar. - Vitis sat. - thence N. by R.R. Abutilon av. in flower - thence
across fields to the fish-breeding grounds - Campanula sp. - Sonchus - &c
Return W.S. East - Liliun Sup. in flower - By Manure factory March Galinsoga parvif.
Ampelopsis quin. in fl. & fr.

1877 - 31 $\frac{21}{11}$

6 W. + 142 F. - Salactia mollis (flower) in fields

Wed. SATURDAY, AUGUST 2/76

On business at Wmsburg - (Hwy 1/4 H. - claim) I have went 1 m. South to
gravelly hill excavation - Palmaria praevalens - Solidag. aguta?
Fishkill P.M. Lythrum Sal. (abundant on Rd.) Vincetox. nig. var.
Stachys pal. Scum lin. Muehlenb. var. + pep. - Atrip. can. + pulch.
Echinum vulgare (firm) - Tanytara Hibernica Ma. Heliantha. des.
Lysium vulg. by R.R.

Fri. TUESDAY 4/1876

2.40 P.M. For Manchester - Rizer, Hudson - got on train wh. left us by old
 Putnamby route via. Freehold - 2 h. at Freehold - Euphorbia corollata - Put up
 at 5 1/2 am. Sat. went on to Manchester by freight - got off 1 1/2
 miles E. of Manchester - Zephraea Virg. - Luncus ill. Eup. atonii hysq. + alba
 Clitorea maritima - Argyr. Crisp. ^{stans} Aus. Habenaia bleph. - Lachn. austus
 tinctoria - Polyp. brevifolia - Sabbatia lano - Lechea racem. - Rh. to Whiting.
 Aster Spectab. ? Solidago Odora (only)

WEDNESDAY 5

THURSDAY, AUGUST 5th, 1875

1.20 P.M. To Weehawken - Ruger, Dr. Schmidt, & Hudkin - thence S. by R.R. to rocky wood slope by road - (*Physalis* visc. - *Pyenar. inca* - *Desmod. acum.* - *Phryma* - *Helianthus decapetalus* & *divaricatus* &c; Thence S. by road to N. Hoboken Marsh - Much *Pluchea campestris* - 2° - rain - *Arabis*

FRIDAY 7

Sunday Aug. SATURDAY 8 . 1875

4 P.M. To Woodside, L.I. - *Lilium* sup. (passe) 3 Rts brot home & set out - *Pyenar. Lanc.* - *Spiraea tomentosa* & *salicifolia* just out in flower - *Polygala sanguinea* - *Lobelia cardinalis*, 5°, spike 10' (S. of hillock $\frac{1}{4}$ m. W. of depot on R.R.) Much *Silene stellata* on the hillock, & *Impatiens* 5° - *Clethra* alm. beg. to flower -

Wed MONDAY, AUGUST 10, 1876

Larchmont with wife - Arumum Virg. Chenop. Hybridum Salvin. circuz,
Pardalium chin. Galium triflorum - Chamaepile Mac.

TUESDAY 11

Sat. WEDNESDAY 12, 1876

Weehauken - to Homestead Ht. Holman - Eclipta Eric. V. pra. - Chen. glaucum
& auburnum - Helianthus div. & dec^{stems} - Polygonum Can. - Polyg. formosum

Saturday Aug, FRIDAY 14, 1875

River, Hudson & Schohar

1. P. M. To Middle Village & S. side RR. thence by RR. track to Glendale & Richmond Hill

Robinsonia Can: Epilobium palustre; ~~Mea~~ Mea vertical; Eriophorum Vir.
Comptonia Asplenifl; Hypericum Sarrothra; Crotolaria sagittalis;
Woodwardia Virgin; Conoclinium rac: Desmodium nudif; Ceanothus Amer;
Veronica Virgin; Archangelica Vir; Pardonanthus ^{very abundant} Chin; Stachys Rys; (very abun.)
Elodea Virg. very abundant.

MONDAY, AUGUST 17, 1874.

TUESDAY 18

Sat. ~~WEDNESDAY~~ 19, 1876

Jamaica Woodhaven + Centerville - Canaan Sat (fruit) Cyprian Mar.
Salida Mem. - Gerardia ped. - Lonicera Comp. - Deplop. Umb. - Desmod. Mt.
Verbena Argentifolia

THURSDAY, AUGUST ¹⁹~~20~~, 1875.

P.M. N. Durham on N. R.R. - 'Ruger + Rudkin + Dr. Shoemaker - Dolichos Lablab (cest)
Corydalis incisa, Epilobium coloratum Fimbristylis capillaris -
Zizania aquatica; Bidens frond. dividua tores - Peltandra Virginica
Hibiscus moschutos; Scutellaria latiflora - Scirpus eriophorum &c

FRIDAY 21

SATURDAY 22, 1875

P.M. Mantoloking N.J. (Heights) 'Ruger, Rudkin, Dr. Shoemaker
Desmodium illinoense - Agrimonia parviflorum, Leckea thyrsifolia,
Galium pilosum - Thaspium aureum; Viburnum acerifolium
Aster macrophyllus - Desmodium canadense. Araliaceae
Eystopteris fragilis; Asplenium trichomanes + ebenum. Acalophegae
Polygonum tenue. Asclepias vertic. Cordalis glauca
Botrychium Chimaphila umbellata Phlox subulata
Gerardia flava, Sabbatia angulata Helenium autumnale
Actinomeris Cassia Marylandica.

Wed MONDAY, AUGUST 24, 1876

Wardham - Clematis Virg. (pine fruit) Lobelia Card. ^{sypp.}; Scutell. lat. &c

Thurs TUESDAY 25. 1876

Dutchess Co pine. Rd. - Heliospis Lavin (Red bridge) Lythrum Sal. - Hel. aut.
25th Castletown - Am. Polium grac. Sand. Vienn. Heliospis Lavin
Dry Iron works - Gnula (on Bank 1 m. S.) + Junileps
S. Albany - Echinocystis lobata - Vitis - &c

Fri WEDNESDAY 26 / 76

Woodside to Astoria Woods - Collinsonia Virg. Rumex obtus. - Galatula
Pedic. lance. Hieracium scab. panic. Orizopum - caps (fruit)

THURSDAY, AUGUST 27, 1874.

FRIDAY 28

SATURDAY 28. 1875

6*

1. P.M. Springfield. L.I. (South R.R.) Ripen, Rudkin, D.S. Wright, Wood &
Micropus purpurea, *Cassia Chamocrista*, *Crotalaria* Lasi.
Helianthemum Canadense *Cyperus diandrus*, *Polyg. Perm.*
Woodwardia angustifolia *Leercia virg.* *Hypericum sarothra*
Solidago lin. *Chrysopsis Mariana*. *Eragrostis pectinacea*
" *puberula* *Gerardia purpurea* *Mercurialis* *apoc.* *Mucuna scand.*
Rhexia Virginica. *Eupatorium tuncifolium*. *Eratiola aurea*
Lobelia Cardinalis *Boemeria glandulosa* *Phragmites communis*.
Alnus incana

Thurs MONDAY, AUGUST 31, 1876

Relay House - Mid. (on way back.) *Lespedeza repens* - *Euphorbia corollata*
Liabris *Hyptis* *Elata* *Elephantopus* *Cardi.*
Washington (S.W.) *Rida spinosa* *Cupressus* *vic.* *Zauch. spin.*
Amaranthus spin. *Sporaea vil.* *Chenopodium Botrys* *Eclipta prostrata*
Alexandria - Fat Rungas - *Chondrilla juncea* - *Mulz. flor. Conicliu.*

TUESDAY, SEPTEMBER 1

WEDNESDAY 2. 1876
N. Durham W. W. ^{litt} Snake Hill.

THURSDAY, SEPTEMBER 3, 1874.

Mon FRIDAY 4/76

Cruz Island

SATURDAY 5

MONDAY, SEPTEMBER 6, 1875

10 hrs. Haverhill - to West Newbury by road boat Charlie.
at "Island" - Gentian Saponaria - Bidentis frond: do. cernuata; do. ^{aterrima} ^{chrys} ^{can}
^{Johnson's Creek} " ^{Desmodium} ^{can.} ^{Adelphi} ^{glabra}
Hunters Hill - Munchies uniflora - West N. - Symphytum officinale
above " " Epilobium angustifolium] " " Spiranthes gracilis
Har. off. bromeloid - Laportea canadensis.

TUESDAY 8

WEDNESDAY 9

W. Flushing - Prince's Garden to College Point

THURSDAY, SEPTEMBER 10, 1874.

FRIDAY 11

SATURDAY ~~12~~ 11. 1875

10. Haverhill to Upper Falls by boat. Charlie & children.
Fine pine grove ~~se~~ on Bradford side just ~~at~~ ~~se~~ above Dr. Cogg. at fence.
Ferns, ~~se~~ & wet growths. On Hav. side opposite the upper rapids on wet
slope, very vigorous ferns - $\frac{1}{2}$ doz species, Chelone glabra, sassafras
etc.

MONDAY, SEPTEMBER 14, 1874.

TUESDAY 15

Fremont to Main Dock. - 6th Av. & Harlem Riv.
Lat WEDNESDAY 16, 1876

THURSDAY, SEPTEMBER 17, 1874.

FRIDAY 18

SATURDAY 19

MONDAY, SEPTEMBER 21, 1874.

TUESDAY 22

WEDNESDAY 23

Friday
THURSDAY, SEPTEMBER 24, 1874

Am. In Manchuta M. pine barrens with Ryer. arrive at 1:00 P.M. E. 7. P.M.
Among many new, find *Diatriis spicata* + *Chrysis mariana* + *Polygala lecta*
Aster nemoralis, *concolor patens* + *longifolius*, *Eupatorium resinaceum*
all very abundant - Also *Lechea thym.* *Smilax laevifolia*, *Psoralea*
spinosa, *Monarda punct.* *Polygonum artic.* *Eup. alb.* *Hudsonia*
enc. *Arctostaphylos uva-ursi* etc (see list) (Came home 25th)

FRIDAY 25

SATURDAY 26

MONDAY, SEPTEMBER 28, 1874.

TUESDAY 29

Monday WEDNESDAY 30, 1875

P.M. Wain's Meadows, Jacksonav. - E. North & by road to Astoria & Glenview road. Rypp
Schleria Helianthus tuberosa - Polyg. Virg. - Gentian Andreeana
Ludwigia palust. Lirioden bergoni - Callisaura Canad. Aster hexangulifolius
Spartinum palus. Elymus Virg. Platanus bals. Veronica offic

THURSDAY, OCTOBER 1, 1874.

FRIDAY 2

SATURDAY 3

MONDAY, OCTOBER ~~6~~³, 1876

To Georgetown Mass. Andrus - rode to Concord Mass. - Horner -

TUESDAY 4/76

To Hudson N.H. - Wrentham se. by New R.R.

WEDNESDAY 7

Sat-~~FRIDAY~~ 9, 1875

Tenafly - *Gentiana crinita* & *Andreei* abundant together in wet field near stable n. Depot.

Alpine Woods - *Chenopodium crub.* & *marcul.* *Phryma* *Lept.*

Eupatorium *perfoliatum* - *Gordyana*

MONDAY, OCTOBER 12, 1874.

TUESDAY 13

WEDNESDAY 14

^{Friday}
~~THURSDAY~~, OCTOBER 15, 187⁵.

Albany. Cross Ferry to "Bath" on R.R. - Aster Multiflorus. Mollis alba offic. abundant
Frosty & breeze abundant 7-9 A.M.

FRIDAY 16

SATURDAY 17

MONDAY, OCTOBER 19, 1874.

~~wednesday~~ TUESDAY 20, 1875

From Albany, stop at Hudson, go on R.R. back woods. *Epiphaeus*
Aster laevis in two varieties.

; *Solidago latifolia*

WEDNESDAY 21

THURSDAY, OCTOBER 22, 1874.

FRIDAY 23

7*

SATURDAY 24

MONDAY, OCTOBER 26, 1874.

TUESDAY 27

WEDNESDAY 28

THURSDAY, OCTOBER 29, 1874.

FRIDAY 30

SATURDAY 31

MONDAY, NOVEMBER 2, 1874.

TUESDAY 3

WEDNESDAY 4

THURSDAY, NOVEMBER 5, 1874.

Mundy, FRIDAY 6, 1876

Wardian Case - planted ' *Dracaena terminalis*, *Pteris argyrea* ~~heretica~~, *Selaginella wildenowii*, *rosea* & *portica*; *Fittouia argyreneus* & *Pearcii*
Sanchezia nobilis *Adiantum*
Added from woods *Aspid. acrostichum*, *trichomanes*, *Micellia rep.* & moss.

SATURDAY 7

MONDAY, NOVEMBER 9, 1874.

TUESDAY 10

WEDNESDAY 11

THURSDAY, NOVEMBER 12, 1874.

FRIDAY 13

SATURDAY 14

MONDAY, NOVEMBER 16, 1874.

TUESDAY 17

WEDNESDAY 18

THURSDAY, NOVEMBER 19, 1874.

FRIDAY 20

SATURDAY 21

MONDAY, NOVEMBER 23, 1874.

TUESDAY 24

WEDNESDAY 25

THURSDAY, NOVEMBER 26, 1874.

FRIDAY 27

SATURDAY 28

MONDAY, NOVEMBER 30, 1874.

TUESDAY, DECEMBER 1

~~WEDNESDAY~~ WEDNESDAY 2

THURSDAY, DECEMBER 3, 1874.

FRIDAY 4

8

SATURDAY 26/76

Wardian Case - After 1 mo. I add 2 qt water. Fittonias & Pteris all grow well - Adiantum pines, leaves brownish &c Dracena has 3 new leaves

MONDAY, DECEMBER 7, 1874.

TUESDAY 8

WEDNESDAY 9

THURSDAY, DECEMBER 10, 1874.

FRIDAY 11

SATURDAY 12

MONDAY, DECEMBER 14, 1874.

TUESDAY 15

WEDNESDAY 16

THURSDAY, DECEMBER 17, 1874.

FRIDAY 18

SATURDAY 19

MONDAY, DECEMBER 21, 1874.

TUESDAY 22

WEDNESDAY 23/76

Forcing. Put 6 pups of *Convallaria* in pot of earth with sand below & moss
above, in water & covered by pot - all on range shelf. - for 90°
In 10 days were well started - but did not afterward flourish

THURSDAY, DECEMBER 24, 1874.

FRIDAY 25

SATURDAY 26

MONDAY, DECEMBER 28, 1874.

TUESDAY 29

WEDNESDAY 30

THURSDAY, DECEMBER 31, 1874.

MEMORANDA.

MEMORANDA.

MEMORANDA.

1871

1872

1873

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